

LIANE M. GABORA

CURRICULUM VITAE

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Citizenship: Canadian and American

Languages: English and French

1. EMPLOYMENT HISTORY

University of British Columbia	Full Professor	Department of Psychology	07/2018 – Present
University of British Columbia	Associate Professor	Department of Psychology	07/2010 – 07/2018
Tufts University	Assistant Director	PACE Center	01/2009 – 01/2010
University of British Columbia	Assistant Professor	Department of Psychology	07/2005 – 07/2010
University of California, Berkeley	Postdoctoral Fellow	Department of Psychology	01/2003 – 07/2005
Free University of Brussels, Belgium	Postdoctoral Fellow	Center Leo Apostel for Interdisciplinary Studies	06/2001 – 01/2003

2. EDUCATION

Free University of Brussels Belgium	Ph.D.	Interdisciplinary Studies	1998 - 2001
Queen's University Kingston ON, Canada	M.Sc.	Biology	1986 - 1988

University of Western Ontario London ON, Canada	Honours B.Sc.	Double major in psychology and biology	1982 - 1986
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RELATED STUDIES

Santa Fe Institute Santa Fe, NM	Summer School for Complexity Studies	Summer 1993
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Université du Québec à Montréal Montreal, QU	Summer Institute for Cognitive Science	Summer 2003
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Humber College Toronto ON	Creative Writing Program	2015
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3. RESEARCH INTERESTS

THEORETICAL

- Computer models and empirical studies of the mechanisms underlying creativity and the cultural evolution of creative ideas
- Comparative study of evolutionary processes: biological and cultural
- Formal models of concepts and their interactions

NEW TECHNOLOGIES AND APPLICATIONS

- Development and application of visual tools and analytic methods to detection of patterns and trends in the cultural evolution of tools and technologies
- Visualization of psychological data using light as a metaphor for insight and cognition
- Applications of cognitive science (e.g., technology for facial animation and emotional expression) to the development of mobile apps and multimedia

4. GRANTS

(From most to least recent.)

Agency: Private Gift from Susan and Jacques Leblanc, Coordinated by the UBC Okanagan Development and Alumni Engagement Office

Title: Research in the Psychology of Creativity Funding for Students Supervised by Dr. Gabora

Grant Period: 08/2021 – 08/2024

Total Amount: \$73,400 CAD

Peer Reviewed: No

My Role: PI

Agency: *Social Sciences and Humanities Research Council of Canada (SSHRC)*

Program: Insight Development Grants

Title: An Interactive ‘Visual Diary’ for Self-understanding

Grant Period: 08/2021 – 08/2023

Total Amount: \$64,520 CAD

Peer Reviewed: Yes

My Role: PI

Agency: *Natural Sciences and Engineering Research Council of Canada (NSERC)*

Program: Discovery Grants

Title: Toward a Scientific Framework for the Origin of Evolutionary Processes:
Biological and Cultural

Grant Period: 04/2019 – 04/2022

Total Amount: \$28,000 CAD

Peer Reviewed: Yes

My Role: Principal Investigator

Agency: *Social Sciences and Humanities Research Council of Canada (SSHRC)*

Program: Insight Grants

Title: Deep reflection: Framing the problem of computationally subjective creative spaces with an emergent painting network

Grant Period: 05/2016 – 05/2022

Total Amount: \$308,708

Peer Reviewed: Yes

My Role: Co-PI with James V. Bizzocchi; PI is Steve DiPaola

Agency: *Social Sciences and Humanities Research Council of Canada (SSHRC)*

Title: Creating and Training a Network of Digital Humanities Scholars on the Lower Mainland

Grant Period: 01/2015 – 01/2016

Total Amount: \$23,785

Peer Reviewed: Yes

My Role: Co-PI with Alison Ariss, Colette Colligan, Kevin Fisher, Liane Gabora, Keith Hamel, Michelle Levy, Ernest Mathijs, Robert Stilbravy, John Maxwell, William Winder; PI is Siobhan McElduff

Agency: GRAND NCE < <http://www.grand-nce.ca> >

Title: Top-up funding for digital media start-up

Grant Period: 10/2013 – 04/2014

Total Amount: \$5,000 CAD

Peer Reviewed: No

My Role: Co-founder and President

Agency: University-Industry Liaison Office of the University of British Columbia
Title: In-kind funding for digital media start-up
Grant Period: 08/2013 until funds depleted
Total Amount: \$5,000 CAD
Peer Reviewed: No

Agency: GRAND NCE < <http://www.grand-nce.ca> >
Title: Seed funding for digital media start-up
Grant Period: 04/2013 – 10/2013
Total Amount: \$15,000 CAD
Peer Reviewed: No
My Role: Co-founder and President

Agency: *Peter Wall Institute for Advanced Study, University of British Columbia*
Title: Funding for ‘Context, Perspective, and Creative Combinations: An Interdisciplinary Workshop’
Grant Period: 10/07/2012 – 31/10/2012
Total Amount: \$650 CAD
Peer Reviewed: No
My Role: Co-organizer with Steve DiPaola

Agency: *Natural Sciences and Engineering Research Council of Canada (NSERC)*
Program: Discovery Grants
Title: Development of a Cultural Algorithm and a Trans-disciplinary Framework for Evolutionary Processes
Grant Period: 04/2012 – 04/2017
Total Amount: \$105,000 CAD (Annual increment: \$21,000 / year)
Peer Reviewed: Yes
My Role: Principal Investigator

Agency: *Fund for Scientific Research (FWO)* of Flanders, Belgium
Title: Research on the construction of integrated worldviews
Grant Period: 01/2011 – 01/2016
Total Amount: 37500 Euros = 50,237 CAD (Annual increment: \$10,000 CAD / year)
Peer Reviewed: Yes
My Role: Co-PI

Agency: Concerted Research Program of the *Fund for Scientific Research (FWO)* of Flanders, Belgium and the *Free University of Brussels*
Title: An Interdisciplinary Study of Creativity: Formal and Empirical Studies of Contextual Effects Across the Arts and Sciences
Grant Period: 01/2009 – 01/2014
Total Amount: 670,000 Euros = \$1,076,052 CAD (Annual increment: \$215,210 / year)
Peer Reviewed: Yes
My Role: Co-PI (with Diederik Aerts and co-PI Antoon van Braumbussche)

Agency: *Social Sciences and Humanities Research Council of Canada (SSHRC)*

Program: Insight Grants

Title: The Cultural Evolution of Integrated Worldviews

Grant Period: 05/2008 – 05/2011

Total Amount: \$99,970, including \$10,000 Research Teaching Stipend

Peer Reviewed: Yes

My Role: Principal Investigator

Agency: *UBC Okanagan Internal Research Grant*

Title: Does Appreciation of Culture as an Evolutionary Process lend Meaning to Life?

Grant Period: 01/2007 – 01/2008

Total Amount: \$4,500

My Role: Principal Investigator

Agency: *Fonds France Canada pour la Recherche*

Title: What Makes Human Cognition Unique? Language as an Auto-organizational Process

Grant Period: 06/2006 – 12/2006

Total Amount: \$2,500

Peer Reviewed: Yes

My Role: Principal Investigator with co-PI Anne Reboul, CNRS, Lyons, France

Agency: *Foundation for the Future Research Grant*

Title: A Computational Model of the Evolution and Interaction of Ideologies

Grant Period: 12/2005 – 12/2008

Total Amount: \$10,000 USD = \$11,496 CDN

Peer Reviewed: Yes

My Role: Principal Investigator

Agency: *International Research Community Grant, funded by the Fund for Scientific Research, Flanders (Belgium).*

Title: The Construction of Integrating Worldviews

Grant Period: 11/2005 – 11/2010

Total Amount: 62,500.00 Euros = \$86,982 CDN

Peer Reviewed: Yes

My Role: Co-PI with Diederik Aerts, Free University of Brussels, and others

5. AWARDS

2011 Berlyne International Award for Outstanding Research

American Psychological Association, Division 10 (Aesthetics, Creativity and the Arts)

Awarded annually to a junior scholar (defined as 10 or fewer years after PhD)

\$500 USD + keynote address at annual convention

Graduate Research Fellowship

Center Leo Apostel for Interdisciplinary Studies, Free University of Brussels
1998–2001
Approx. \$15,000/ year

Graduate Research Fellowship
Center for the Origin and Evolution of Life, UCLA
1991–1993
Approx. \$14,000/ year

Queens Graduate Award
Department of Biology, Queens University
1986–1988
Approx. \$12,000/ year

6. TEACHING AND STUDENT SUPERVISION

COURSES

- **PSYO 121:** Introduction to Personal Functioning
- **PSYO 317:** Psychology of Creativity
- **PSYO 380A:** Psychology of Humour
- **PSYO 380W:** Psychology of Language
- **PSYO 380B:** Evolution of Human Cognition
- **PSYO 480H:** Advanced Special Topics – Creativity
- **PSYO 480N:** Creative Processes and Therapies
- **IGS 509C:** Creativity, Complexity, and Evolution (Graduate level)
- **IGS 501A:** Theories and Methods in Research on Concepts (Graduate level)
- **IGS 559F:** Mind and Culture (Graduate level)
- **IGS 620D:** Psychology of Creativity (Graduate level)
- **IGS 620M:** Advanced Special Topics – Creativity (Graduate level)

ADVANCED STUDENT SUPERVISION

Undergraduate Students

- Morgyn Ahlfeld (Honours Student, 2019-2020)
- Daniel Beltran (Honours Student, 2012-2013, UBC Vancouver Campus)
- Nicole Carbert (NSERC USRA Student, 2014)
- Lucius Chia (Honours Student, 2012-2013, UBC Vancouver Campus)
- Nathan Dhaliwal (Honours Student, 2012-2013, UBC Vancouver Campus)
- Jillian Dicker (Directed Study Student, 2009)
- Mark Eyjolfson (Honours Student, 2006-7)
- Celine Formosa / Duffy (Directed Study Student, 2011)

- Conner Gibbs (Directed Study Student, 2020)
- Madeleine Henderson (Honours Student, 2011-12)
- Sally Hinke (Honours Student, 2019-2020)
- Alexandra Maland (Directed Studies Student, 2017; NSERC USRA Student, 2018)
- Justin Ng (Honours Student, 2012-2013, UBC Vancouver Campus)
- Sean Riley (Directed Study Student, 2010-11)
- Adam Saab (Directed Study Student, 2006-07)
- Jasmine Schwartz (Honours Student, 2011-2012)
- Victoria Scotney (NSERC USRA Student, 2017; Directed Studies Student, 2017; URA Student 2018)
- Tara Scouller (NSERC URA Student, 2009)
- Phillip Shifflet (NSERC URA Student, 2020)
- Samantha Thompson (NSERC USRA student, 2016)
- Simon Tseng (Honours Student, 2012-2013, UBC Vancouver Campus)
- Catherine Wang (Honours Student, 2012-2013, UBC Vancouver Campus)
- Sara Weaver (Directed Study Student, 2007)
- Sarah Weissmeyer (Directed Study Student, 2017)
- Ashley Whidden (Directed Study Student, 2007)

Graduate Students

- Kirthana Ganesh (Current Ph.D. student)
- Isobel Gomez (Current Ph.D. student)
- Murad Mithani (Ph.D. Student; Graduated 2012; Rensselaer Polytechnic University, co-supervised with Jonathan O'Brien)
- Sophie Morin (Ph.D. Student; Graduated 2016; Polytechnique Montréal, co-supervised with Jean-Marc Robert)
- Aparaj Ranjan (Ph.D. Student; Graduated 2014; Currently a postdoctoral fellow at Yale Center for Emotional Intelligence)
- Maryam Saberi (Ph.D. student; Graduated 2016; Simon Fraser University, co-supervised with Steve DiPaola)
- Peder Sande (M.A. student; Graduated 2017; UBC Vancouver campus, co-supervised with Lara Boyd)
- Michael Unrau (Former Ph.D. student; Co-supervised with Ashok Mathur)
- Mika Winslow (Incoming Ph.D. student)
- Member of M.A. Graduate Supervisory Committee of: Ahlem Bavi (Current), Jon Corbett (Graduated 2015), Maxine Crawford (Graduated 2013), Antonio Fadda (Graduated 2017), Luke Kerman (Graduated 2014), Holli-Anne Passmore (Graduated 2015), Freeda Wilson (Graduated 2009), Meg Yamamoto (Current)

- Member of Ph.D. Graduate Supervisory Committee of: Stan Chung (Graduated 2014), Nancy Merrill (Current)

Postdoctoral Fellows

- Christina Bonney (2009)

INTERNAL /EXTERNAL EXAMINER DUTIES

Internal Examiner

Duties: Read the thesis, prepared questions about the thesis, attended the thesis defense, asked the questions at the thesis defense, participated in evaluation of thesis, signed appropriate paperwork to pass the student.

- **Student:** Jason Nickel; **Type of Examination:** M.Sc. Thesis (Stephen O’Leary, Supervisor); **Department / Faculty:** Physics Department, UBC Okanagan; **Date:** June 19, 2014.
- **Student:** Jonathan Laumer; **Type of Examination:** M.Sc. Thesis (Stephen O’Leary, Supervisor); **Department / Faculty:** Faculty of Engineering, UBC Okanagan; **Date:** December 1, 2014.
- **Student:** Jimit Majmudar; **Type of Examination:** M.Sc. Thesis (Rebecca Tyson, Supervisor); **Department / Faculty:** Mathematics Department, UBC Okanagan; **Date:** May 26, 2016.
- **Student:** Poppy Siddiqua; **Type of Examination:** Comprehensive Exam for Ph.D. (Stephen O’Leary, Supervisor); **Department / Faculty:** Faculty of Engineering, UBC Okanagan; **Date:** April 11, 2018.
- **Student:** Steven Defehr; **Type of Examination:** M.A. Thesis (Bryce Traister, Supervisor); **Department / Faculty:** English Department, FCCS (Faculty of Creative and Critical Studies), UBC Okanagan; **Date:** November 4, 2020.
- **Student:** Emerald Holt; **Type of Examination:** M.A. Thesis (Aleksandra Dulic, Supervisor); **Thesis Title:** The Voice of the Land: A Performative Visual Music Composition of the Okanagan Valley; **Department / Faculty:** Creative Studies, FCCS (Faculty of Creative and Critical Studies), UBC Okanagan; **Date:** February 11, 2021.

External Examiner

Duties: Read and evaluated the thesis, signed appropriate paperwork to pass the student.

- **Student:** Viktor Van Niekerk; **Type of Examination:** Master of Arts: Research in Music (Prof. Jeanne Zaidel-Rudolph, Supervisor); **University:** University of the Witwatersrand, Johannesburg, South Africa.; **Date:** June 14, 2017
- **Student:** Nida Anwar; **Type of Examination:** PhD Thesis: (Computer Science; requested by Prof. Muhammad Hanif Mian, Rector) **University:** National College of Business Administration & Economics, Lahore **Date requested:** March 19, 2018

7. PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

- Gabora, L. & Ganesh, K. (in press). Modeling discontinuous cultural evolution: The impact of cross-domain transfer. *Frontiers in Psychology - Theoretical and Philosophical Psychology*. Accepted on 2022-01-10
- Gabora, L. & Gomez, I. (in press). The allure of the unknown in a tamed, mapped, and homogenized world. *Behavioral and Brain Sciences*. Commentary on ‘Why Imaginary Worlds? The psychological foundations and cultural evolution of fictions with imaginary worlds,’ by E. Dubourg & N. Baumard. Accepted on 2021-10-04
- Gabora, L., Beckage, N., & Steel, M. (2021). An autocatalytic network model of conceptual change. *Topics in Cognitive Science* (special issue edited by Y. Kenett and T. Hills on ‘Networks of the Mind: How can Network Science Elucidate Our Understanding of Cognition?’) [<https://psyarxiv.com/j3p8e/>].
- Gabora, L. & Steel, M. (2021). An evolutionary process without variation and selection. *Journal of the Royal Society Interface*, 18(180), 20210334. <https://doi.org/10.1098/rsif.2021.0334> [<https://www.biorxiv.org/content/10.1101/2020.08.30.274407v1>]
- Gabora, L. & Steel, M. (2020). A model of the transition to behavioral and cognitive modernity using reflexively autocatalytic networks. *Journal of the Royal Society Interface*, 17, 20200545. [<https://www.biorxiv.org/content/10.1101/2020.07.10.185512v1>]
- Gabora, L. & Steel, M. (2020). [Modeling a cognitive transition at the origin of cultural evolution using autocatalytic networks](#). *Cognitive Science*, 44(9), e12878. [<http://arxiv.org/abs/2007.06442>]
- Gabora, L. & Smith, C. (2020). A cognitive transition underlying both technological and social aspects of cumulative culture. *Behavioral and Brain Sciences*. Commentary on ‘The elephant in the room: What matters cognitively in cumulative technological culture’ by F. Osiurak & E. Reynaud. *Behavioral and Brain Sciences*, 43, e163.
- Voorhees, B., Read, D., & Gabora, L. (2020). Identity, kinship, and the evolution of cooperation. *Current Anthropology*, 61(2), 194-218.
- Scotney, V., Schwartz, J., Carbert, C., Adam Saab, A., & Gabora, L. (2020). The form of a ‘half-baked’ creative idea: Empirical explorations into the structure of ill-defined mental representations. *Acta Psychologica*, 202, 102983. <https://doi.org/10.1016/j.actpsy.2019.102981>
- Scotney, V., Weissmeyer, S., Carbert, N., & Gabora, L. (2019). The ubiquity of cross-domain thinking in the early phase of the creative process. *Frontiers in Psychology* (Section: Cognitive Science, Topic: Creativity from Multiple Cognitive Science Perspectives), 10, 1426. doi: 10.3389/fpsyg.2019.01426.
- Gabora, L. (2019.) Creativity: Linchpin in the quest for a viable theory of cultural evolution. *Current Opinion in Behavioral Sciences*, 27, 77-83.

- Gabora, L. & Smith, C. (2018). Two cognitive transitions underlying the capacity for cultural evolution. *Journal of Anthropological Sciences*, 96, 27-52. doi: 10.4436/jass.96008
- Smith, C., Gabora, L., & Gardner-O’Kearny, W. (2018). The extended evolutionary synthesis facilitates evolutionary models of culture change. *Cliodynamics: The Journal of Quantitative History and Cultural Evolution*, 9(2), 84-107.
- Morin, S., Robert, J. M., & Gabora, L. (2018). How to train future engineers to be more creative? An educative experience. *Thinking Skills and Creativity*, 28, 150-166.
- Voorhees, B., Read, D., & Gabora, L. (2018). The objectivity of moral norms is a top down cultural construct. *Behavioral and Brain Sciences*, 41, E116. (IF 14.200)
- Gabora, L., & Steel, M. (2017). Autocatalytic networks in cognition and the origin of culture. *Journal of Theoretical Biology*, 431, 87-95. (IF 2.574)
- Gabora, L., & Tseng, S. (2017). The social benefits of balancing creativity and imitation: Evidence from an agent-based model. *Psychology of Aesthetics, Creativity, and the Arts*, 11(4), 457-473.
- Gabora, L. (2017). Honing theory: A complex systems framework for creativity. *Nonlinear Dynamics, Psychology, and Life Sciences*, 21(1), 35-88.
- Gabora, L. & Kitto, K. (2017). Towards a quantum theory of humour. *Frontiers in Physics* (Section: Interdisciplinary Physics), 4(53). doi: 10.3389/fphy.2016.00053
- Gabora, L. & Kauffman, S. (2016). Toward an evolutionary-predictive foundation for creativity. *Psychonomic Bulletin & Review*, 23(2), 632-639.
- Aerts, D., Broekaert, J., Gabora, L., & Sozzo, S. (2016). Editorial: Quantum structures in cognitive and social science. *Frontiers in Psychology* (Section: Cognition), 7(577). doi: 10.3389/fpsyg.2016.00577
- Aerts, D., Broekaert, J., Gabora, L., & Sozzo, S. (2016). Generalizing prototype theory: A formal quantum framework. *Frontiers in Psychology* (Section: Cognition), 7(418). doi: 10.3389/fpsyg.2016.00418
- Gabora, L. (2015). Probing the mind behind the (literal and figurative) lightbulb. *Psychology of Aesthetics, Creativity, and the Arts*, 9(1), 20-24. [<http://arxiv.org/abs/1409.3911>]
- Sowden, P., Pringle, A., & Gabora, L. (2015). The shifting sands of creative thinking: Connections to dual process theory. *Thinking & Reasoning* (special issue on insight and creative thinking), 21(1), 40-60. [<http://arxiv.org/abs/1409.2207>]
- Gabora, L. (2014). Physical light as a metaphor for inner light. *Aisthesis* 7(2), 43-61. (Special issue on “giving form through metaphors”). [<http://arxiv.org/abs/1409.1064>]
- Aerts, D., Gabora, L., & Sozzo, S. (2013). Concepts and their dynamics: A quantum theoretical model. *Topics in Cognitive Science*, 5(4), 737-772. [<http://arxiv.org/abs/1206.1069>]
- Gabora, L., & Leijnen, S. (2013). The relationship between creativity, imitation, and cultural diversity. *International Journal of Softward and Informatics*, 7(4), 615-627.
- Gabora, L. Scott, E., & Kauffman, S. (2013). A quantum model of exaptation: Incorporating potentiality into biological theory. *Progress in Biophysics & Molecular Biology*, 113(1), 108-116. [<http://arxiv.org/abs/1310.0558>]

- Gabora, L. (2013). An evolutionary framework for culture: Selectionism versus communal exchange. *Physics of Life Reviews*, 10(2), 117-145. [<http://arxiv.org/abs/1206.4386>]
- Gabora, L. (2013). Reply to commentaries on ‘An evolutionary framework for culture: Selectionism versus communal exchange’. *Physics of Life Reviews*, 10(2), 162-167. [<http://arxiv.org/abs/1308.0695>]
- Aerts, D., Gabora, L., Suzzo, S., & Broekaert, J. (2013). Quantum structure and human thought. Commentary on E. Pothos & J. Busemeyer, ‘Can quantum probability provide a new direction for cognitive modeling?’ *Behavioral and Brain Sciences*, 36(3), 274-276.
- Gabora, L., O’Connor, B., & Ranjan, A. (2012). The recognizability of individual creative styles within and across domains. *Psychology of Aesthetics, Creativity, and the Arts*, 6(4), 351-360. [<http://arxiv.org/abs/1309.2615>]
- Sternberg, R., Bonney, C. R., Gabora, L., & Merrifield, M. (2012). WICS: A Model for college and university admissions. *Educational Psychologist*, 47(1), 30-41.
- Sternberg, R., Bonney, C. R., & Gabora, L. (2012). Introduction to the special issue on college and university admissions. *Educational Psychologist*, 47(1), 1-4.
- Gabora, L. (2012). Dynamical disequilibrium, self-transformation, and the evolution of a sustainable worldview. *Chaos and Complexity Letters*, 6(1-2), 37-44.
- Gabora, L. (2011). An analysis of the Blind Variation and Selective Retention (BVSR) theory of creativity. *Creativity Research Journal*, 23(2), 155-165. [<http://arxiv.org/abs/1309.4692>]
- Gabora, L. (2011). Five clarifications about cultural evolution. *Journal of Cognition and Culture*, 11, 61-83. [<http://arxiv.org/abs/1309.2622>]
- Aerts, D., Broekaert, J. & Gabora, L. (2011). A case for applying an abstracted quantum formalism to cognition. *New Ideas in Psychology*, 29(1), 136-146.
- Sternberg, R., Bonney, C. R., Gabora, L., Jarvin, L., Karelitz, T. M. & Coffin, L. (2010). Broadening the spectrum of undergraduate admissions. *College & University*, 86(1), 2-17.
- Gabora, L. (2010). Revenge of the ‘neurds’: Characterizing creative thought in terms of the structure and dynamics of memory. *Creativity Research Journal*, 22(1), 1-13. [<http://arxiv.org/abs/1308.5037>]
- Gabora, L. (2010). Why Blind-Variation-Selective-Attention is inappropriate as an explanatory framework for creativity. *Physics of Life Reviews*, 7(2), 190-194.
- Gabora, L. & Leijnen, S. (2009). How creative should creators be to optimize the evolution of ideas? A computational model. *Electronic Proceedings in Theoretical Computer Science*, 9, 108-119.
- Gabora, L. & Aerts, D. (2009). A mathematical model of the emergence of an integrated worldview. *Journal of Mathematical Psychology*, 53, 434-451.
- Bruza, P., Busemeyer, J. & Gabora, L. (2009). Introduction to the special issue on quantum cognition. *Journal of Mathematical Psychology*, 53, 303-305.

- DiPaola, S. & Gabora, L. (2009). Incorporating characteristics of human creativity into an evolutionary art algorithm. *Genetic Programming and Evolvable Machines*, 10(2), 97–110. [<http://arxiv.org/abs/1001.1401>]
- Gabora, L. & O'Connor, B. (2009). Applying complexity theory to a dynamical process model of the development of pathological belief systems. *Chaos and Complexity Letters*, 4(3), 75-96.
- Gabora, L., Rosch, E., & Aerts, D. (2008). Toward an ecological theory of concepts. *Ecological Psychology*, 20(1), 84–116. [<http://arxiv.org/abs/0803.2567>]
- Gabora, L. (2008). The cultural evolution of socially situated cognition. *Cognitive Systems Research*, 9(1-2), 104-113. [<http://arxiv.org/abs/0803.2568>]
- Gabora, L. & Aerts, D. (2007). A cross-disciplinary framework for the description of contextually mediated change. *Electronic Journal of Theoretical Physics*, 4(15), 1–22.
- Gabora, L. (2007). Why the creative process is not Darwinian. Commentary on D. K. Simonton 'The creative process in Picasso's Guernica sketches: Monotonic improvements versus nonmonotonic variants.' *Creativity Research Journal*, 19(4), 361-365.
- Gabora, L. (2007). Epigenetic and cultural evolution are non-Darwinian. Commentary on E. Jablonka & M. J. Lamb, 'Evolution in Four Dimensions'. *Behavioral and Brain Sciences*, 30(4), p. 371.
- Gabora, L. (2006). The fate of evolutionary archaeology: Survival or extinction? *World Archaeology*, 38(4), 690–696. [<http://arxiv.org/abs/1309.5667>]
- Gabora, L. (2006). Self-other organization: Why early life did not evolve through natural selection. *Journal of Theoretical Biology*, 241(3), 443–250. [<http://arxiv.org/abs/nlin.AO/0512025>]
- Aerts, D., Czachor, M., Gabora L. & Polk, P. (2006). Soliton kinetic equations with non-Kolmogorovian structure: A new tool for biological modeling. *Quantum Theory: Reconsideration of Foundations 3*, American Institute of Physics Publications, 810, 19–33.
- Gabora, L. (2005). Creative thought as a non-Darwinian evolutionary process. *Journal of Creative Behavior*, 39(4), 65–87.
- Gabora, L. & Aerts, D. (2005). Evolution as context-driven actualization of potential: Toward an interdisciplinary theory of change of state. *Interdisciplinary Science Reviews*, 30(1), 69–88. [[q-bio.PE/0511007](http://arxiv.org/abs/q-bio.PE/0511007)]
- Aerts, D. & Gabora, L. (2005). A state-context-property model of concepts and their combinations I: The structure of the sets of contexts and properties. *Kybernetes*, 34(1&2), 151–175. [[quant-ph/0402207](http://arxiv.org/abs/quant-ph/0402207)]
- Aerts, D. & Gabora, L. (2005). A state-context-property model of concepts and their combinations II: A Hilbert space representation. *Kybernetes*, 34(1&2), 176–205. [[quant-ph/0402205](http://arxiv.org/abs/quant-ph/0402205)]
- Gabora, L. (2004). Ideas are not replicators but minds are. *Biology and Philosophy*, 19(1), 127–143. [[q-bio.PE/0402002](http://arxiv.org/abs/q-bio.PE/0402002)]
- Gabora, L. (2004). GAS doesn't 'turn the engine' when states are sequential or context-dependent. *Behavioral and Brain Sciences*, 27(6), 901–902. Commentary on D. Hull,

- R. Langman & S. Glenn 'A general account of selection: Biology, immunology, and behavior'. *Behavioral and Brain Sciences* 24(3), 511–528.
- Aerts, D., Czachor, M., Gabora, L., Kuna, M., Posiewnik, A., Pykacz, J. & Syty, M. (2003). Quantum morphogenesis: A variation on Thom's catastrophe theory, *Physical Review E*, 67, 051926. Reprinted in *Virtual Journal of Biological Physics*, June issue.
- Gabora, L. & Aerts, D. (2002). Contextualizing concepts using a mathematical generalization of the quantum formalism. *Journal of Experimental and Theoretical Artificial Intelligence*, 14(4), 327–358.
- Gabora, L. (2002). Amplifying phenomenal information: Toward a fundamental theory of consciousness. *Journal of Consciousness Studies*, 9(8), 3–29.
- Aerts, D., D'Hondt, E., & Gabora, L. (2000). Why the disjunction in quantum logic is not classical. *Foundations of Physics*, 30(9), 1473–1480.
- Aerts, D., Aerts, S., Broekaert, J., & Gabora, L. (2000). The violation of Bell inequalities in the macroworld. *Foundations of Physics*, 30(9), 1387–1414. [quant-ph/0007044]
- Gabora, L. (2000). Conceptual closure. How memories are woven into an interconnected worldview. *Annals of the New York Academy of Sciences*, 901, 42–53. [<http://arxiv.org/abs/1310.3765>]
- Gabora, L. (2000). From a double aspect theory of information to human consciousness. *Consciousness and Cognition*, 9(2), S78.
- Gabora, L. (1999). Microtubules, anesthetics, and quantum consciousness: An interview with Stuart Hameroff. *Foundations of Science*, 4(2), 205–223.
- Aerts, D., Broekaert, J. & Gabora, L. (1999). Formal and informal representations of science. *Foundations of Science*, 4(1), 1–3.
- Gabora, L. (1999). More on memes. *Semiotic Review of Books*, 10(2), 2–3.
- Gabora, L. (1999). Grounded in perception yet transformed into amodal symbols. Commentary on 'Perceptual symbol systems' by L. W. Barsalou. *Behavioral and Brain Sciences*, 22(4), 577-660.
- Gabora, L. (1998). Autocatalytic closure in a cognitive system: A tentative scenario for the origin of culture. *Psychology*, 9(67). [adap-org/9901002]
- Gabora, L. (1998). Weaving, bending, patching, mending the fabric of reality: A cognitive science perspective on worldview inconsistency. *Foundations of Science*, 3(2), 395–428.
- Gabora, L. (1997). The origin and evolution of culture and creativity. *Journal of Memetics: Evolutionary Models of Information Transmission*, 1(1). [www.jom-emit.cfpm.org/1997/vol1/gabora_1.html]
- Gabora, L. (1997). Taking memes seriously. *Semiotic Review of Books*, 8(2), May issue.
- Gabora, L. (1996). A day in the life of a meme. *Philosophica*, 57, 901–938. Invited paper for special issue on concepts, representations, and dynamical systems.
- Gabora, L. (1994). The birth of a creative idea. Commentary on 'The Creative Mind: Myths and Mechanisms' by M. Boden. *Behavioral and Brain Sciences*, 17(3), 543.

- Gabora, L. (1993). Cultural transitions occur when mind parasites learn new tricks. Commentary on ‘Origins of the Modern Mind’ by M. Donald. *Behavioral and Brain Sciences*, 16(4), 761–762.
- Gabora, L. (1993). Cultural learning as the transition mechanism in an evolutionary process. Commentary on ‘Cultural Learning’ by Tomasello et al. *Behavioral and Brain Sciences*, 16(3), 519.
- Hofstadter, D. & Gabora, L. (1989). Synopsis of a workshop on humor and cognition. *Humor*, 2(4), 417–440. [<http://arxiv.org/abs/1310.1676>]

PEER-REVIEWED CONTRIBUTIONS TO CONFERENCE PROCEEDINGS

- Gabora, L. (2019). [A cultural evolution framework for human creativity](#). In A. Goel, C. Seifert, & C. Freska (Eds.) *Proceedings of the 2019 Annual Meeting of the Cognitive Science Society*, (pp. 47-48). Austin TX: Cognitive Science Society. (Held July 24-27, Montreal.)
- Gabora, L. (2019). [Reframing convergent and divergent thought for the 21st Century](#). In A. Goel, C. Seifert, & C. Freska (Eds.) *Proceedings of the 2019 Annual Meeting of the Cognitive Science Society*, (pp. 1794-1800). Austin TX: Cognitive Science Society. (Held July 24-27, Montreal.) [<http://arxiv.org/abs/1811.04512>]
- Gabora, L. (2019). [From deep learning to deep reflection: Toward an appreciation of the integrated nature of cognition and a viable theoretical framework for cultural evolution](#). In A. Goel, C. Seifert, & C. Freska (Eds.) *Proceedings of the 2019 Annual Meeting of the Cognitive Science Society*, (pp. 1801-1807). Austin TX: Cognitive Science Society. (Held July 24-27, Montreal.) [<https://arxiv.org/abs/1811.07408>]
- Scotney, V., Yanez, F. C., Cooper, J., & Gabora, L. (2019). [A smile goes a long way: Exploring the effect of culture, weather, and connectedness on smile diffusion with an agent-based model](#). In A. Goel, C. Seifert, & C. Freska (Eds.) *Proceedings of the 2019 Annual Meeting of the Cognitive Science Society*, (pp. 3353). Austin TX: Cognitive Science Society. (Held July 24-27, Montreal.)
- DiPaola, S., & Gabora, L. & McCaig, G. (2018). Informing artificial intelligence generative techniques using cognitive theories of human creativity. *Proceedings of the Annual International Conference on Biologically Inspired Cognitive Architectures*. 8 pages, Springer. (Conference date and location: August 22-24, Czech Technical University in Prague, Czech Republic.)
- Scotney, V., Weissmeyer, S., & Gabora, L. (2018). Cross-domain influences on creative processes and products. In (C. Kalish, M. Rau, J. Zhu and T. Rogers, Eds.) *Proceedings of 40th Annual Meeting of the Cognitive Science Society*, pp. 2452-2457. Austin TX: Cognitive Science Society. (Conference date and location: July 25-28, Madison WI.)
- Gabora, L. (2018). Evolution of the science fiction writer’s capacity to imagine the future. In *Proceedings of International Science Fiction Prototyping Conference (SCI-FI’18)*. Ostend, Belgium: EUROSIS (A division of the European Technology Institute. (Held April 18-19 in Bruges, Belgium.)
- Gabora, L. (2016). A possible role for entropy in creative cognition. In *Proceedings of the 3rd International Electronic Conference on Entropy and its Applications*;

- Sciforum Electronic Conference Series, Vol. 3, E001; doi:10.3390/ecea-3-E001 [<http://sciforum.net/conference/84/paper/3652>] (Held online November 1–10)
- Bell, S. & Gabora, L. (2016). A music-generating system based on network theory. In *Proceedings of the 7th International Conference on Computational Creativity*. Palo Alto: Association for the Advancement of Artificial Intelligence (AAAI) Press. (Held June 27 - July 1 in Paris.)
- McCaig, G, DiPaola, S., & Gabora, L. (2016). Deep convolutional networks as models of generalization and blending within visual creativity. In *Proceedings of the 7th International Conference on Computational Creativity*. Palo Alto: Association for the Advancement of Artificial Intelligence (AAAI) Press. (Held June 27 - July 1 in Paris.)
- Bell, S. & Gabora, L. (2016). A music-generating system inspired by the science of complex adaptive systems. In *Proceedings of the 4th International Workshop on Musical Meta-creation*. Palo Alto: Association for the Advancement of Artificial Intelligence (AAAI) Press. ISBN: 978-0-86491-397-5. (Held June 27 in Paris.)
- Gabora, L. (2016). Clinical and educational applications of LIVEIA: An immersive visualization environment. In *Proceedings of International Psychological Applications Conference and Trends (InPACT2016)*. Lisbon, Portugal: World Institute for Advanced Research and Science (WIARS).
- Gabora, L. & Carbert, N. (2015). Cross-domain influences on creativity: Preliminary investigations. In R. Dale, C. Jennings, P. Maglio, T. Matlock, D. Noelle, A. Warlaumont & J. Yashimi (Eds.), *Proceedings of the 37th annual meeting of the Cognitive Science Society* (pp. 758-763). Austin TX: Cognitive Science Society.
- Gabora, L. (2015). A communal exchange-based framework for cultural evolution. In R. Dale, C. Jennings, P. Maglio, T. Matlock, D. Noelle, A. Warlaumont & J. Yashimi (Eds.), *Proceedings of the 37th annual meeting of the Cognitive Science Society* (pp. 2835-2836). Austin TX: Cognitive Science Society.
- Morin, S., Robert, J. M., & Gabora, L. (2015). [Creativity training for future engineers: Preliminary results of an educational intervention](#). In (L. Gómez Chova, A. López Martínez, & I. Candel Torres, Eds.) *Proceedings of the 7th International Conference on Education and New Learning Technologies* (pp. 6324-6334). Valencia, Spain: IATED Academy.
- Gabora, L. (2015). A light-based immersive visualization environment for imaginative actualization: A new technology for psychological understanding. In S. Latifi (Ed.) *Proceedings of the 12th International Conference on Information Technology: New Generations* (pp. 686-691). Washington DC: Conference Publishing Services.
- Carbert, N., Gabora, L., Schwartz, J., & Ranjan, A. (2014). States of cognitive potentiality in art-making. In A. Kozbelt, P. Locher, & P. Tinio (Eds.), *Proceedings of the International Association of Empirical Aesthetics congress on empirical aesthetics* (pp. 121-126). Rome: IAEA Press.
- Morin, S., Robert, J. M., & Gabora, L. (2014). A new course on creativity in an engineering program: Foundations and issues. In Y. Zeng, Y. Chen, S. Achiche, W. Shen, A. Awasthi, C. Chu, C. Rizzi, & C. Wang (Eds.), *International conference on*

- innovative design and manufacturing* (pp. 270-275). Washington DC: IEEE Conference Publishing Services.
- Gabora, L. & Tseng, S. (2014). Computational evidence that self-regulation of creativity is good for society. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th annual meeting of the Cognitive Science Society* (pp. 2240-2245). Austin TX: Cognitive Science Society.
- Bridewell, W., Gabora, L., Kirsh, D., & Thagard, P. (2014). Symposium: Creative cognition. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th annual meeting of the Cognitive Science Society* (pp. 88-89). Austin TX: Cognitive Science Society.
- Chrusch, C. & Gabora, L. (2014). A tentative role for FOXP2 in the evolution of dual processing modes and generative abilities. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th annual meeting of the Cognitive Science Society* (pp. 499-504). Austin TX: Cognitive Science Society.
- Carbert, N., Gabora, L. & Schwartz, J. (2014). Cognitive states of potentiality in art-making. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th annual meeting of the Cognitive Science Society* (pp. 3241). Austin TX: Cognitive Science Society.
- Gabora, L. & Tseng, S. (2014). The social impact of self-regulation on the evolution of simple and complex creative ideas. In S. Colton, M. Cook, N. Lavrac, & D. Ventura (Eds.), *Proceedings of the fifth international conference on computational creativity* (pp. 550-558). Palo Alto: Association for the Advancement of Artificial Intelligence. ISBN: 978-961-264-055-2
- Henderson, M. & Gabora, L. (2013). The recognizability of authenticity. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th annual meeting of the Cognitive Science Society* (pp. 2524-2529). Houston TX: Cognitive Science Society.
- Ranjan, A., Gabora, L., & O'Connor, B. (2013). The Cross-domain re-interpretation of artistic ideas. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th annual meeting of the Cognitive Science Society* (pp. 3251-3256). Austin TX: Cognitive Science Society.
- Gabora, L., Chia, W. W., & Firouzi, H. (2013). A computational model of two cognitive transitions underlying cultural evolution. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th annual meeting of the Cognitive Science Society* (pp. 2344-2349). Austin TX: Cognitive Science Society.
- Chrusch, C. & Gabora, L. (2013). FOXP2 as the genetic basis for the capacity to shift between analytic and associative modes of thought. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th annual meeting of the Cognitive Science Society* (pp. 3905). Houston TX: Cognitive Science Society.
- Ranjan, A., Gabora, L., & O'Connor, B. (2013). Evidence that cross-domain re-interpretations of creative ideas are recognizable. *Proceedings of the Association for the Advancement of Artificial Intelligence spring symposium. (Creativity and Cognitive Development: A perspective from artificial creativity, developmental*

- artificial intelligence, and robotics.*) Palo Alto, CA: AAAI Press. (Held March 25-27, Stanford University.)
- Veloz, T., Tempkin, I., & Gabora, L. (2012). A conceptual network-based approach to inferring cultural phylogenies. In N. Miyake, D. Peebles & R. P. Cooper (Eds.), *Proceedings of the 34th annual meeting of the Cognitive Science Society* (pp. 2487-2492). Austin TX: Cognitive Science Society.
- Gabora, L., & Firouzi, H. (2012). Society functions best with an intermediate level of creativity. In N. Miyake, D. Peebles & R. P. Cooper (Eds.), *Proceedings of the 34th annual meeting of the Cognitive Science Society* (pp. 1578-1583). Houston TX: Cognitive Science Society.
- Riley, S. & Gabora, L. (2012). Evidence that threatening situations enhance creativity. In N. Miyake, D. Peebles & R. P. Cooper (Eds.), *Proceedings of the 34th annual meeting of the Cognitive Science Society* (pp. 2234-2239). Austin TX: Cognitive Science Society.
- Gabora, L. & Kitto, K. (2012). How a quantum approach to memory incorporates contextuality and potentiality. In N. Miyake, D. Peebles & R. P. Cooper (Eds.), *Proceedings of the 34th annual meeting of the Cognitive Science Society* (pp. 2674). Austin TX: Cognitive Science Society.
- Aerts, D., Broekaert, J. Gabora, L., & Veloz, T. (2012). The guppy effect as interference. *Proceedings of the Sixth International Symposium on Quantum Interaction* (pp. 36-47). New York: Lecture Notes in Computer Science. (Held June 27-29, Paris.)
- Kitto, K., Bruza, P., & Gabora, L. (2012). A quantum information retrieval approach to memory. *Proceedings of the International Joint Conference on Neural Networks* (pp. 932-939). IEEE Computational Intelligence Society.
- Gabora, L., & DiPaola, S. (2012). How Did Humans Become So Creative? In M. Maher, K. Hammond, A. Pease, R. Pérez y Pérez, D. Ventura & G. Wiggins (Eds.) *Proceedings of the International Conference on Computational Creativity* (pp. 203-210). Palo Alto: Association for the Advancement of Artificial Intelligence. ISBN: 978-1-905254668
- Gabora, L. & Saberi, M. (2011). An agent-based model of the cognitive mechanisms underlying the origins of creative cultural evolution. *Proceedings of the Association for Computing Machinery Conference on Cognition & Creativity* (pp. 299-306). New York: ACM Press. (Held November 3-6, 2011. Atlanta, GA.)
- Aerts, D., Gabora, L., Sozzo, S. & T. Veloz, T. (2011). Quantum structure in cognition: Fundamentals and applications. In V. Privman & V. Ovchinnikov (Eds.) *Proceedings of the Fifth International Conference on Quantum, Nano and Micro Technologies*. International Academy Industry and Research Association.
- Gabora, L. & Saab, A. (2011). Creative interference and states of potentiality in analogy problem solving. In L. Carlson, C. Hölscher & T. F. Shipley (Eds.), *Proceedings of the 33rd annual meeting of the Cognitive Science Society* (pp. 3506-3511). Austin TX: Cognitive Science Society.
- Gabora, L., Leijnen, S., Veloz, T. & Lipo, C. (2011). A non-phylogenetic conceptual network architecture for organizing classes of material artifacts into cultural lineages. In L. Carlson, C. Hölscher & T. F. Shipley (Eds.), *Proceedings of the 33rd annual*

- meeting of the Cognitive Science Society* (pp. 2923-2928). Austin TX: Cognitive Science Society.
- Veloz, T. & Gabora, L. (2011). Toward a formal model of the shifting relationship between concepts and contexts in associative thought. In L. Carlson, C. Hölscher & T. F. Shipley (Eds.), *Proceedings of the 33rd annual meeting of the Cognitive Science Society* (pp. 827). Austin TX: Cognitive Science Society.
- Veloz, T., Gabora, L., Eyjolfson, M. & Aerts, D. (2011). Toward a formal model of the shifting relationship between concepts and contexts during associative thought. In Eds. D. Song, M. Melucci, I. Frommholz, P. Zhang, L. Wang, & S. Arafat. *Proceedings of the Fifth International Symposium on Quantum Interaction* (pp. 25-34). Berlin: Springer.
- Mithani, M., Veloz, T., & Gabora, L. (2010). An analysis of context dependency in the recognition and manifestation of entrepreneurial opportunity. In: P. Bruza, W. Lawless, K. van Rijsbergen, D. Sofge, & D. Widdows (Eds.) *Proceedings of the Association for the Advancement of Artificial Intelligence Fall Symposium on Quantum Informatics for Cognitive, Social, and Semantic Processes*. Palo Alto, CA: AAAI Press.
- Ranjan, A. Gabora, L. & O'Connor (2010). The recognizability of individual style. *Proceedings of an International Conference on Cognition, Experience, and Creativity*. (Held October 29-31, Ahmedabad, India.)
- Leijnen, S. & Gabora, L. (2010). An agent-based simulation of the effectiveness of creative leadership. In R. Camtrabone & S. Ohlsson (Eds.), *Proceedings of the 32nd annual meeting of the Cognitive Science Society* (pp. 955-960). Austin TX: Cognitive Science Society.
- Gabora, L. (2010). Recognizability of creative style within and across domains: Preliminary studies. In R. Camtrabone & S. Ohlsson (Eds.), *Proceedings of the 32nd annual meeting of the Cognitive Science Society* (pp. 2350-2355). Austin TX: Cognitive Science Society.
- O'Connor, B. & Gabora, L. (2010). Studies of the effects on creativity of having very different parents. In R. Camtrabone & S. Ohlsson (Eds.), *Proceedings of the 32nd annual meeting of the Cognitive Science Society* (pp. 2432). Austin TX: Cognitive Science Society.
- Leijnen, S. & Gabora, L. (2009). The artist loft effect in the clustering of 'creative types': A computer simulation. In N. Bryans-Kins (Ed.) *Proceedings of the Seventh ACM Creativity and Cognition Conference* (pp. 389-390). New York NY: Academic Computing Machinery (ACM) Press.
- Gabora, L. & Leijnen, S. (2009). The tradeoff between degree of creativity and number of creators in a computational model of society. In B. Cooper & V. Danos (Eds.) *Proceedings of Developments in Computational Models: Computational Models from Nature - A workshop in association with the 36th International Colloquium on Automata, Languages, and Programming*. Rio, Greece: European Association for Theoretical Computer Science.
- Aerts, D., Aerts, S. & Gabora, L. (2009). Experimental evidence for quantum structure in cognition. In P. Bruza, D. Sofge, W. Lawless, C. J. van Rijsbergen, & M. Klusch

- (Eds.) *Lecture Notes in Artificial Intelligence 5494: Proceedings of the Third International Conference on Quantum Interaction* (pp. 59-70). Berlin: Springer-Verlag.
- Gabora, L. (2008). Modeling cultural dynamics. *Proceedings of the Association for the Advancement of Artificial Intelligence Fall Symposium 1: Adaptive Agents in a Cultural Context* (pp. 18-25). Palo Alto, CA: AAAI Press.
- Gabora, L. (2008). EVOC: A computer model of the evolution of culture. In V. Sloutsky, B. Love, and K. McRae (Eds.), *Proceedings of the 30th annual meeting of the Cognitive Science Society*, Sheridan Press.
- DiPaola, S. & Gabora, L. (2007). Incorporating characteristics of human creativity into an evolutionary art algorithm. In (D. Thierens, Ed.), *Proceedings of the genetic and evolutionary computing conference* (pp. 2442–2449). New York: Association for Computing Machinery (ACM) Press.
- Gabora, L. (2007). Cultural evolution entails (creativity entails (concept combination entails quantum structure)). *Proceedings of the Association for the Advancement of Artificial Intelligence Spring Symposium 8: Quantum Interaction* (pp. 106–113). Palo Alto: AAI Press.
- Aerts, D., Bundervoet, S., Czachor, M., & Gabora, L. (2005). On the foundations of the theory of evolution. In (G. E. Lasker, Ed.) *Proceedings of the 17th International Conference on Systems Research, Informatics and Cybernetics*. Tecumseh ON: International Institute for Advanced Studies.
- Aerts, D., Czachor, M., Gabora, L., & Polk, P. (2005). Application of quantum formalisms to biological rhythms. In (G. Adenier, Ed.) *Proceedings of the Third International Conference on Quantum Theory: Reconsiderations of Foundations*.
- Gabora, L. & Aerts, D. (2005). Distilling the essence of an evolutionary process, and implications for a formal description of culture. In (W. Kistler, Ed.) *Proceedings of Center for Human Evolution Workshop #5: Cultural Evolution*, May 2000, Foundation for the Future, Seattle.
- Gabora, L. (2004). Two transitions in the evolution of human consciousness. In (M. Zussman, Ed.) *Proceedings of the 24th Annual Conference of the Society for the Anthropology of Consciousness*.
- Gabora, L. (2003). Contextual focus: A cognitive explanation for the cultural transition of the Middle/Upper Paleolithic. In R. Alterman & D. Hirsch, (Eds.), *Proceedings of the 25th Annual Meeting of the Cognitive Science Society* (pp. 432-437). Hillsdale, NJ: Lawrence Erlbaum.
- Gabora, L. (2002). Cognitive mechanisms underlying the creative process. In (T. Hewett and T. Kavanagh, Eds.) *Proceedings of the Fourth International Conference on Creativity and Cognition* (pp. 126–133). New York: ACM Press.
- Gabora, L. & Aerts, D. (2002). Contextualizing concepts. In C. Faucher (Ed.) *Proceedings of the 15th International FLAIRS Conference Special Track 'Categorization and Concept Representation: Models and Implications'* (pp. 148–152). Palo Alto, CA: Association for the Advancement of Artificial Intelligence (AAAI) Press.

- Gabora, L. (2000). Linkage disequilibrium in human creativity. In (R. Ascott, Ed.) *Proceedings of the Third International CAiiA-STAR Conference: Consciousness Reframed*.
- Gabora, L. (2000). From a double aspect theory of information to human consciousness. In (A. Cleeremans, Ed.) *Proceedings of the Fourth International Conference on the Unity of Consciousness: Binding, Unity, and Dissociation*. Association for the Scientific Study of Consciousness.
- Gabora, L. (1996). Culture, evolution, and computation. In (T. Furuhashi, Ed.) *Proceedings of the Second Online Workshop on Evolutionary Computation*. Society of Fuzzy Theory and Systems.
- Gabora, L. (1992). Should I stay or should I go: coordinating biological needs with continuously-updated assessments of the environment (a computer model). In (S. Wilson, J. A. Mayer & H. Roitblat, Eds.) *Proceedings of Second International Conference on the Simulation of Adaptive Behavior* (pp. 156–162). Cambridge: MIT Press.
- Gabora, L. & Colgan, P. (1990). A model of the mechanisms underlying exploratory behavior. In (S. Wilson & J. A. Mayer, Eds.) *Proceedings of the First International Conference on the Simulation of Adaptive Behavior* (pp. 475–484). Cambridge MA: MIT Press.

BOOKS AND EDITED VOLUMES

- Aerts, D., Broekaert, J., Gabora, L., & Sozzo, S. (2016). E-Book: *Quantum Structures in Cognitive and Social Science*. Lausanne, Switzerland: Frontiers Psychology Research Topics.

BOOK CHAPTERS

- Gabora, L. & Steel, M. (in press). From uncertainty to insight: An autocatalytic framework. In Beghetto, R. & Jaeger, G. J. (Editors). *Uncertainty: A catalyst for creativity, learning and development*. Berlin: Springer. [<https://psyarxiv.com/yrm4k>]
Status: Invited on 2019-12-02; Submitted on 2021-03-08; Accepted 2021-07-07.
- Gabora, L. (in press). A complex systems framework for cultural evolution. In: M. Gelfand, C. Chiu & Y. Hong (Eds.) *10th volume of the Annual Series on Advances in Culture and Psychology*. New York: Oxford University Press. **Status:** Invited on: 2019-07-18; Submitted on 2021-03-28. Accepted on 2021-07-07.
- Unrau, M. & Gabora, L. (2021). The cultural evolution of creative ideas and social innovations. Chapter 10 in M. Mastrogiorgio & G. Cattani (Eds.) *New Frontiers in Evolutionary Innovation: Novelty Creation in an Unpredictable Economy* (pp. 185-210). Oxford UK: Oxford University Press. ISBN-13: 9780198837091, DOI:10.1093/oso/9780198837091.003.0010
- Gabora, L. & Ganesh, (2020). Autocatalysis and exaptation in the emergence of complex, creative cognition. In: C. La Porta S. Zapperi (Eds.) *Understanding innovation through exaptation* (pp. 183-192). Basingstoke, UK: Springer-Nature ([Frontiers Collection](#)).

- Gabora, L. (2020). Creativity. In (W. Pickren, Ed.) *Oxford research encyclopedia of psychology*. Oxford UK: Oxford University Press. DOI: 10.1093/acrefore/9780190236557.013.608 [<https://psyarxiv.com/u43wk>]
- Gabora, L. (2019). The making of a creative worldview. In Nalbantian, S. & Matthews, P. (Eds.) *Secrets of creativity* (pp. 220-236). Oxford: Oxford University Press.
- Gabora, L. & Smith, C. (2019). Exploring the psychological basis for transitions in the archaeological record. In: T. Henley, E. Kardas, & M. Rossano (Eds.) *Handbook of cognitive archaeology: A psychological framework* (pp. 218-239). Abingdon UK: Routledge / Taylor & Francis. <https://doi.org/10.4324/9780429488818>
- Gabora, L. (2019). The arts as a porthole to alternative approaches, solutions, and perspectives. In Jaroslav Andel (Ed.) *Back to the Sandbox: Art and Radical Pedagogy* (pp. 90-95). Bellingham, WA: Western Gallery & Public Art Collection.
- Gabora, L., & Maland, A. (2019). Educational implications of the self-made worldview concept. In: Beghetto, R., & Coraza, G. S. (Eds.) *Dynamic Perspectives on Creativity: New Directions for Theory, Research, and Practice in Education* (pp. 117-136). Berlin: Springer. <https://www.springer.com/us/book/9783319991627>
- Gabora, L., & Unrau, M. (2019). The role of engagement, honing, and mindfulness in creativity. In Mullen, C. (Ed.) *Creativity under duress in education? Resistive theories, practices, and actions*, a volume in the series *Creativity Theory and Action in Education* (pp. 137-154). Berlin: Springer. <https://www.springer.com/us/book/9783319902715>
- Gabora, L., & Unrau, M. (2019). Social innovation and the evolution of creative, sustainable worldviews. In Lebuda, I. & Glaveanu, V. (Eds.) *The Palgrave Handbook of Social Creativity Research*, as part of the book series ‘Creativity and Culture’ (pp. 541-558). Palgrave Macmillan. ISBN 978-3-319-95498-1
- Gabora, L. (2019). [Mental wormholes and the inner workings of creative thought](#). In J. C. Penagos-Corzo & M. A. P. Vargas (Eds.), *Challenges in creativity & psychology for the XXI century* (pp. 113-123). Mexico City: Editorial UDLAP.
- Gabora, L., Thomson, S., & Kitto, K. (2018). [A layperson introduction to the quantum approach to humor](#). In W. Ruch (Ed.) *Humor: Transdisciplinary approaches* (pp. 317-332). Bogotá Colombia: Universidad Cooperativa de Colombia Press. ISBN: 978-958-760-085-8; ISBN (digital): 978-958-760-086-5; DOI: <http://dx.doi.org/10.16925/9789587600865> <http://ediciones.ucc.edu.co/index.php/ucc/humor>
- Gabora, L. (2018). Cultural evolution, insight, and fundamental theories of consciousness. In D. S. Wilson, M. Thaler, & M. Andrews (Eds.) *Can Evolution be Conscious?* Invited paper to appear in *This View of Life (TVOL)* series by The Evolution Institute. <https://evolution-institute.org/cultural-evolution-insight-and-fundamental-theories-of-consciousness/>
- Gabora, L. (2018). The creative process of cultural evolution. In A. Leung (Ed.) *Handbook of Culture and Creativity: Basic Processes and Applied Innovations* (pp. 33-60). New York: Oxford University Press.
- Gabora, L. (2018). The neural basis and evolution of divergent and convergent thought. In O. Vartanian & R. Jung (Eds.) *The Cambridge Handbook of the Neuroscience of*

- Creativity* (pp. 58-70). Cambridge MA: Cambridge University Press.
[\[https://arxiv.org/pdf/1611.03609.pdf\]](https://arxiv.org/pdf/1611.03609.pdf)
- Gabora, L. (2016). The creative process at work in musical composition. In H. J. Braun, Ed.) *Creativity: Technology and music* (pp. 131-141). Peter Lang: Frankfurt / New York.
- Gabora, L. & Ranjan, A. (2015). Can Sol's explanation for the evolution of animal innovation account for human innovation? In A. Kaufman, & J. Kaufman (Eds.) *Animal creativity and innovation: Research and theory* (pp. 183-188). Philadelphia PA: Elsevier. [<http://arxiv.org/abs/1409.4700>]
- Gabora, L. (2013). Cultural evolution as distributed human computation. In P. Michelucci (Ed.) *Handbook of Human Computation* (p. 447-462). New York: Springer.
- Gabora, L. & Ranjan, A. (2013). How creative ideas emerge in a sparse, distributed, content-addressable memory. In O. Vartanian, A. Bristol, & J. Kaufman, (Eds) *The neuroscience of creativity* (pp. 19-43). Cambridge MA: MIT Press.
<http://mitpress.mit.edu/books/neuroscience-creativity>
- Gabora, L., & Kitto, K. (2013). Concept combination and the origins of complex cognition. In (L. Swan, Ed.) *Origins of mind* (pp. 361-382). Berlin: Springer.
- Ranjan, A. & Gabora, L. (2012). Creative ways of nurturing the potential to learn. In (H. Synder, M. Gregerson & J. Kaufman, Eds.) *Teaching creatively* (pp. 119-132). New York: Springer.
- Gabora, L. & Merrifield, M. (2012). Dynamical disequilibrium, transformation, and the evolution and development of sustainable worldviews. In (F. Orsucci & N. Sala, Eds.) *Complexity Science, Living Systems, and Reflexing Interfaces: New Models and Perspectives* (pp. 69-77). Hershey, PA: IGI Global.
- Gabora, L. (2011). Can an understanding of how culture evolves awaken a sense of meaning in life? In (D. Aerts, B. D'Hooghe, & N. Note, Eds.) *Worldviews, Science, and Us* (pp. 37-54). Singapore: World Scientific.
- O'Connor, B. & Gabora, L. (2011). A general dynamical process model of the development of pathological belief systems. In F. Orsucci (Ed.) *Mind force* (pp. 75-96). New York, NY: Nova Science.
- Gabora, L. & Russon, A. (2011). The evolution of intelligence. In (R. Sternberg & S. Kaufman, Eds.) *Cambridge handbook of intelligence* (pp. 328-350). Cambridge University Press.
- Gabora, L. & Kaufman, S. (2010). Evolutionary approaches to creativity. In (J. Kaufman & R. Sternberg, Eds.) *Cambridge handbook of creativity* (pp. 279-300). Cambridge UK: Cambridge University Press.
- Gabora, L. & Holmes, N. (2010). Dangling from a tassel on the fabric of socially constructed reality: Reflections on the creative writing process. In (A. Cropley, D. Cropley, J. Kaufman, & M. Runco, Eds.) *The dark side of creativity* (pp. 277-296). Cambridge UK: Cambridge University Press.
- Aerts, D., Aerts, S. & Gabora, L. (2009). Experimental evidence for quantum structure in cognition. In: P. Bruza, W. Lawless, K. van Rijsbergen, & D. Sofge (Eds.) *Lecture Notes in Computer Science: Quantum interaction* (pp. 59-79). Berlin: Springer.

- Gabora, L. & Aerts, D. (2008). A cross-disciplinary framework for the description of contextually mediated change. In (I. Licata & A. Sakaji, Eds.) *Physics of emergence and organization*, (pp. 109-134). Singapore: World Scientific.
- Gabora, L. (2008). Mind. In (R. A. Bentley, H. D. G. Maschner, & C. Chippindale, Eds.) *Handbook of theories and methods in archaeology*, Altamira Press, Walnut Creek CA, (pp. 283-296). <http://www.vub.ac.be/CLEA/liane/papers/htma-mind.htm>
- Aerts, D., Bundervoet, S., Czachor, M., D'Hooghe B., Gabora L. & Polk P. (2006). On the foundations of the theory of evolution. *Systems theory in philosophy and religion*, Vols I & II. Ed. M. Locker. Windsor, Canada: IIAS.
- Aerts, D., Broekaert, J. & Gabora, L. (2002). Intrinsic contextuality as the crux of consciousness. In (K. Yasue, M. Jibu & T. Della Senta) *No matter, never mind*, John Benjamins Publishing Company, Amsterdam (Vol. 33 of the series Advances in Consciousness Research ISSN 1381–589X). Amsterdam: John Benjamins Publishing Company.
- Gabora, L. (2002). The beer can theory of creativity. In (P. Bentley & D. Corne, Eds.) *Creative evolutionary systems* (pp. 147–161), San Francisco CA: Morgan Kaufman.
- Gabora, L. (2000). Conceptual closure: How memories are woven into an interconnected worldview. In (G. Van de Vijver & J. Chandler, Eds.) *Closure: Emergent organizations and their dynamics*. *Annals of the New York Academy of Sciences*, 901, 42–53.
- Gabora, L. (2000). Toward a theory of creative inklings. In (R. Ascott, Ed.) *Art, technology, and consciousness* (pp. 159–164). Bristol UK: Intellect Press.
- Gabora, L. (1995). Meme and variations: A computer model of cultural evolution. In (L. Nadel & D. Stein, Eds.) *1993 Lectures in complex systems* (pp. 471–486), Boston MA: Addison-Wesley.

NON-PEER-REVIEWED ARTICLES

- Gabora, L. (2019). Standup Comedy Technique #2: Parody and the Lure of the Forbidden: An example and analysis of standup comedy material. *Psychology Today: Online*. <https://www.psychologytoday.com/ca/blog/mindbloggling/201911/standup-comedy-technique-2-parody-and-the-lure-the-forbidden>
- Gabora, L. (2019). Standup Comedy Technique #1: Exaggeration Start with a grain of truth and stretch it to its ultimate extreme. *Psychology Today: Online*. <https://www.psychologytoday.com/ca/blog/mindbloggling/201908/standup-comedy-technique-1-exaggeration>
- Gabora, L. (2019). Voyage to the land below thought. *Psychology Today – Online: Mindbloggling*. <https://www.psychologytoday.com/ca/blog/mindbloggling/201907/voyage-the-land-below-thought>
- Gabora, L. (2017). What Creativity Really Is. (Subtitled ‘And Why Schools Need It’). In: S. White (Ed.) *The conversation (Canadian Edition)*. <https://theconversation.com/ca/who-we-are>. Academic Journalism Society: Toronto CA. Reprinted with permission in (M. Fisher, Ed.) *The Creativity Post*.

- Gabora, L. (2017). Are Accusations of Cultural Appropriation Misguided? *Psychology Today – Online: Mindbloggling*.
<https://www.psychologytoday.com/blog/mindbloggling/201704/are-accusations-cultural-appropriation-misguided>
- Gabora, L. (2017). Toward a Quantum Model of Humor. *Psychology Today – Online: Mindbloggling*.
<https://www.psychologytoday.com/blog/mindbloggling/201704/toward-quantum-model-humor>
- Gabora, L. (2016). Creativity, Space Flight & the United (Or Un-United) States. *Psychology Today – Online: Mindbloggling*.
<https://www.psychologytoday.com/blog/mindbloggling/201611/creativity-space-flight-the-united-or-un-united-states>
- Gabora, L. (2016). *Is There a Physical Basis to the Notion of "Spirit"?* *Psychology Today – Online: Mindbloggling*.
<https://www.psychologytoday.com/blog/mindbloggling/201610/is-there-physical-basis-the-notion-spirit>
- Gabora, L. (2015). The Silver Lining Around Fearful Living. *Psychology Today – Online: Mindbloggling*.
<https://www.psychologytoday.com/blog/mindbloggling/201502/the-silver-lining-around-fearful-living-0>
- Gabora, L. (2015). Can Other People Make You Less Creative? *Psychology Today – Online: Mindbloggling*.
<https://www.psychologytoday.com/blog/mindbloggling/201502/can-other-people-make-you-less-creative>
- Gabora, L. (2014). The disillusioning drama of Jian Ghomeshi. In ‘Mindbloggling’, online version of *Psychology Today*.
<http://www.psychologytoday.com/blog/mindbloggling/201410/the-disillusioning-drama-jian-ghomeshi>
- Gabora, L. (2014). The Hidden Meaning of “It is what it is”. In ‘Mindbloggling’, online version of *Psychology Today*.
<http://www.psychologytoday.com/blog/mindbloggling/201405/the-hidden-meaning-it-is-what-it-is>
- Gabora, L. (2014). Racism? There’s an app for that. In ‘Mindbloggling’, online version of *Psychology Today*.
<http://www.psychologytoday.com/blog/mindbloggling/201404/racism-there-s-app>
- Gabora, L. (2012). Fake flooring and fake people: Does growing up around fake stuff encourage fakeness? In ‘Mindbloggling’, online version of *Psychology Today*.
<http://www.psychologytoday.com/blog/mindbloggling/201207/fake-flooring-and-fake-people>
- Gabora, L. (2012). Does it make any sense to apply quantum mechanics to how people think? In ‘Mindbloggling’, online version of *Psychology Today*.
<http://www.psychologytoday.com/blog/mindbloggling/201203/does-it-make-any-sense-apply-quantum-mechanics-how-people-think>

- Gabora, L. (2011). Is loyalty destroying us? In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201112/is-loyalty-destroying-us>
- Gabora, L. (2011). How creative ideas take shape. In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201109/how-creative-ideas-take-shape>
- Gabora, L. (2011). Are you the first member of a new species? In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201105/are-you-the-first-member-new-species>
- Gabora, L. (2011). How a generation was misled about natural selection. In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201105/how-generation-was-misled-about-natural-selection>
- Gabora, L. (2011). Are effective leaders creative? In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201102/are-effective-leaders-creative>
- Gabora, L. (2010). Should everyone be creative? In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201011/should-everyone-be-creative>
- Gabora, L. (2010). [Holistic creativity](#). In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201008/holistic-creativity>
- Gabora, L. (2010). [The sadness of potted plants: Darwinian versus non-Darwinian conceptions of humanity](#). In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201005/the-sadness-potted-plants-darwinian-versus-non-darwinian-conceptions-human>
- Gabora, L. (2010). [The Power of 'then': The uniquely human capacity to imagine beyond the present](#). In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201003/the-power-then-the-uniquely-human-capacity-imagine-beyond-the-present>
- Gabora, L. (2010). [Un-family-ar values](#). In ‘Mindbloggling’, online version of *Psychology Today*. <http://www.psychologytoday.com/blog/mindbloggling/201001/un-family-ar-values-1>

ENCYCLOPEDIA ENTRIES

- Gabora, L. (2020). Creativity. In (W. Pickren, Ed.) *History and systems of psychology (Oxford research encyclopedia series)*. Oxford UK: Oxford University Press. DOI: 10.1093/acrefore/9780190236557.013.608

- Gabora, L. (2013). Research on creativity. In (E. G. Carayannis, Ed.) *Encyclopedia of Creativity, Invention, Innovation, and Entrepreneurship* (pp. 1548-1558). New York: Springer.
- Gabora, L. (2013). Psychology of creativity. In (E. G. Carayannis, Ed.) *Encyclopedia of Creativity, Invention, Innovation, and Entrepreneurship* (pp. 1515-1520). New York: Springer.
- Gabora, L. (2013). Cultural evolution. In (Kaldis, B, Ed.) *Encyclopedia of Philosophy and the Social Sciences* (pp. 172-174). Thousand Oaks, CA: Sage.
- Gabora, L. (2012). Convergent evolution. In (Maloy, S. & Hughes, K., Eds.) *Brenner's Online Encyclopedia of Genetics* (pp. 178-180), 2nd edition. Amsterdam: Elsevier.
- Gabora, L. (2000). Memetics. In (P. Bouissac, Ed.) *The Encyclopedia of Semiotics*. (pp. 405–408). Oxford: Oxford University Press.

BOOK REVIEWS

- Gabora, L. (2016). Cultivating creative thinking for an innovative world. A review of 'Innovating minds: Rethinking creativity to inspire change', by W. Koutstaal and J. T. Binks, New York, NY: Oxford University Press, 2015. ISBN 978-0-19-931602-1. *PsycCRITIQUES*, 61(7), Article 7. <http://dx.doi.org/10.1037/a0040127>
- Gabora, L. & Lipo, C. (2012). Review of E. Cochrane & A. Gardner (eds.) *Evolutionary and Interpretive Archaeologies: A Dialogue*. *KIVA: The Journal of Southwestern Anthropology and History*, 87(1), 103–108.
- Gabora, L. & Ranjan, A. (2011). Nuancing the neuron: A review of 'The Memory Process: Neuroscientific and Humanistic Perspectives'. *PsycCritiques: Contemporary Psychology APA Review of Books*, 56(39). <http://www.deepdyve.com/lp/psycritiques-reg/nuancing-the-neuron-wrYiFOOMh0>
- Gabora, L. (2009). Review of 'Epigenetic principles of evolution', First Edition, by Nelson R. Cabej. *Quarterly Review of Biology*, 84(2), 193.
- Provencal, A. & Gabora, L. (2007). A compelling overview of art therapy techniques and outcomes: Review of 'Art Therapy has Many Faces'. *Psychology of Aesthetics, Creativity, and the Arts*, 1(4), 255-256.
- Gabora, L. (2007). Perspectives on artistic creativity. Review of M. Turner (Ed.) 'The artful mind: Cognitive science and the riddle of human creativity'. *Philosophical Psychology*, 20(5), 669-674.
- Gabora, L. (2000). Nonlinear science and the psyche: A review of F. Orsucci, Ed. (2000). 'The Complex Matters of the Mind'. *Foundations of Science*, 5(3), 391–393.
- Gabora, L. (1999). A review of 'The Meme Machine' by S. Blackmore. *Journal of Artificial Societies and Social Simulation* 2(2) (e-journal). <http://jasss.soc.surrey.ac.uk/2/2/review2.html>
- Gabora, L. (1999). To imitate is human: A review of 'The Meme Machine' by S. Blackmore. *Journal of Consciousness Studies*, 6(5), 77–81.

SUBMITTED OR UNDER REVISION

Ganesh, K. & Gabora, L. Modeling discontinuous cultural evolution: The impact of cross-domain transfer.

Status: Invited by J. Carroll on 2021-03-05 for a special issue of *Frontiers in Psychology (Theoretical and Philosophical Psychology Section)* on the Research Topic Imaginative Culture and Human Nature: Evolutionary Perspectives on the Arts, Religion, and Ideology, edited by V. van Mulukom, J. Carroll, J. A. Johnson, E. Jonsson, R. E. Jung. Submitted 2021-09-29.

IN PREPARATION

Gabora, L. (in progress). *Dawn of the Creative Mind: The Origin and Evolution of Human Innovation*. (Book manuscript)

Degree of Completion: 65% complete

Ganesh, K. & Gabora, L. An autocatalytic model of the client-therapist alliance.

[<https://psyarxiv.com/yrm4k>]

Status: Invited by F. Orsucci on 2021-03-05 for a special issue of *Entropy* (ISSN 1099-4300, IF 2.494, <http://www.mdpi.com/journal/entropy>) on ‘Complexity Science in Human Change: Research, Models, Clinical Applications’

Degree of Completion: Title submitted only 2021-03-08; paper is at planning stage

Winslow, M. & Gabora, L. A quantum cognition perspective on thought and inner dialogue. [<https://psyarxiv.com/yrm4k>]

Status: Invited by A. Khrennikov on 2021-04-02 for a special issue of *Entropy* (ISSN 1099-4300, IF 2.494, <http://www.mdpi.com/journal/entropy>) on ‘quantum probability and randomness’

Degree of Completion: Title submitted only 2021-04-02; paper is at planning stage

8. PRESENTATIONS

INVITED LECTURES

(For conference talks accepted on the basis of an abstract see below.)

- *HowTheLightGetsIn*: the world’s largest art and ideas festival, London, UK, September 19, 2021. Invited by Katharine Emden. Title of talk: How creativity works.
- *Lecture series, City University of London*, London, UK, September 17, 2021. Hosted by Emmanuel Pothos and Ansgar Endress. Title of talk: How creativity works.
- *Quantum Social Science Bootcamp*, June 12-16, 2021. hosted by Ohio State University (by Zoom). <https://u.osu.edu/quantumbootcamp/>. Title of talk: A Quantum Perspective on Thinking, Reflecting, and Telling a Joke.
- *Department of Physics and Astronomy, University of British Columbia (Vancouver Campus) - Departmental Colloquium*, May 13, 2021 (by Zoom).

Hosted by Prof. D. Scott. Title of talk: Application of Generalized Quantum Formalisms in Cognitive Science and Humor Research.

<https://phas.ubc.ca/application-generalized-quantum-formalisms-cognitive-science-and-humor-research>

- *Neuroscience of Creativity: A Course for Music Students*. April 22, 2021 (by Zoom). Hosted by Sue Woolfe, School of Music, Australian National University, Canberra AU. Title of talk: Mechanisms Underlying Creativity.
- *Neuroscience of Creativity: A Course for Music Students*. September 2, 2020 (by Zoom). Hosted by Kim Cunio and Sue Woolfe, School of Music, Australian National University, Canberra AU. Title of talk: Mechanisms Underlying Creativity.
- *Department of Psychology, San Jose State University*, October 15, 2019. Hosted by Prof. Gregory Feist. Title of Talk: Mechanisms underlying creativity.
- *School of Psychology, Speech, and Hearing Lecture Series*. University of Canterbury, Christchurch NZ, 13th March 13, 2019. Hosted by Prof. Mike Steel, Dept of Mathematics, and chaired by Prof. Randolph Grace, Dept. of Psychology. Title of Talk: Mechanisms underlying creativity and implications for the question of how culture evolves.
- *Second International Conference on Exaptation and Inverse Question-driven Innovation*, April 26-28, 2018, Palazzo Feltrinelli in Gargnano del Garda, Lake Garda, Italy. Title of Talk: Cognitive Mechanisms Underlying Cultural Exaptation. **Keynote**.
- *Annual Meeting of the Society for the Study of Human Development*, plenary symposium (organized by myself at the invitation of President-elect David Henry Feldman) on ‘The Development of Creative Abilities’. Providence, Rhode Island, October 5-8, 2017. Title of Talk: Development of an integrated, worldview and implications for achieving creative potential.
- *Annual Conference of the ENTRENOVA network* Dubrovnik, Croatia, 7–9 September, 2017. Title of Talk: A scientific perspective on how and why humans create. **Keynote**. <http://www.entrenova.org>
- *Cognitive Science Issues Colloquium*, Rensselaer Polytechnic Institute, Troy, NY, May 3, 2017. Title of talk: Honing Theory: A Complex Systems Framework for Creativity.
- Annual dinner of the Association of Professional Engineers and Geoscientists of BC, as part of celebration of National Engineering Month. UBC Okanagan, Kelowna BC, March 28, 2017. Title of talk: The Creative Process - With Applications to Engineering Innovation. **Keynote**.
- *From Computational Creativity to Creativity Science Workshop*. ZiF Center for Interdisciplinary Research, Bielefeld University, Germany, September 19–22, 2016. Title of talk: Honing Theory: A Complex Systems Framework for

- Creativity. **Keynote.** [https://www.uni-bielefeld.de/\(en\)/ZIF/AG/2016/09-19-Kuehnberger.html](https://www.uni-bielefeld.de/(en)/ZIF/AG/2016/09-19-Kuehnberger.html)
- *Fourth Lund Conference on Games, Interaction, Reasoning, Learning and Semantics.* Lund, Sweden, April 27, 2016. Title of Talk: Models of creativity and their applications. **Keynote.** <https://girls16blog.wordpress.com>
 - Okanagan Centre for Inquiry [www.cficanada.ca], Kelowna BC, July 20, 2015. Title of Talk: How Does the Creative Process Work?
 - *Dagstuhl Seminar on Resource-bounded Problem Solving,* Leibniz Center for Informatics. Schloss Dagstuhl, Wadern, Germany, August 17-22, 2014. <http://www.dagstuhl.de/en/program/calendar/semhp/?semnr=14341> Title of talk: The Mechanics of Insight.
 - *Human Computation Roadmap Summit Workshop,* Woodrow Wilson International Center for Scholars, Washington, DC. June 18-20, 2014. <http://www.cra.org/ccv/visioning/visioning-activities/human-computation/403-human-computation-roadmap-summit-workshop> Title of talk: Computational Modeling of Human Cultural Evolution.
 - *Association of Korean Canadian Scientists and Engineers (AKCSE) Research Night,* University of British Columbia, November 22, 2013. Title of Talk: NSERC-funded research on creativity.
 - *First Creative Industry Forum,* Bonus Week MX Program, November 8, 2013, Mexico City, Mexico. Title of talk: Insight and the Evolution of Creative Ideas. **Keynote.**
 - *Defining Cognitive Science Colloquium Series,* Simon Fraser University, Vancouver BC, September 17, 2013. Title of talk: A Non-Darwinian Scientific Framework for Cultural Evolution.
 - *“Cognito” Cognitive Science Conference,* Cognitive Science Institute, Université du Québec à Montréal, Montreal, QU June 26-28, 2013. Title of talk: The Origin and Evolution of Creative Ideas. **Keynote.**
 - *Cognitive Science Lecture Series,* Department of Psychology, McGill University, Montreal, QU, June 25, 2013. Title of talk: The Origin and Evolution of Creative Ideas. Host: Thomas Shultz.
 - *Developmental Psychology Talk Series,* Department of Psychology, Kenny Building, University of British Columbia, [SE] Vancouver, BC. March 13, 2013. Title of talk: Insight and the Evolution of Creative Ideas.
 - *Institute of Cognitive Science Colloquium,* Carleton University, Ottawa ON, January 24, 2013. Title of talk: Insight and the Evolution of Creative Ideas (Part 2). <http://www5.carleton.ca/ics/cu-events/ics-colloquium-dr-liane-gabora-part-2>
 - *Institute of Cognitive Science Colloquium,* Carleton University, Ottawa ON, January 17, 2013. Title of talk: Insight and the Evolution of Creative Ideas (Part

- 1). <http://www5.carleton.ca/ics/cu-events/insight-and-the-evolution-of-creative-ideas>
- *Media and Graphics Interdisciplinary Centre (MAGIC)*, Forest Sciences Centre Building, University of British Columbia, Vancouver, BC. November 16, 2012. Title of talk: Modeling the Evolution of Ideas and Worldviews.
 - *Context, Perspective, and Creative Combinations: An Interdisciplinary Workshop hosted by the Peter Wall Institute for Advanced Study*, UBC Vancouver, October 31, 2012. Title of talk: Context and Creativity.
 - *UBC Vision Lab* (host: Jim Enns), Department of Psychology, Kenny Building, University of British Columbia, Vancouver, BC. September 22, 2012. Title of talk: Sight, Insight, and Perspective.
 - *Acoustic Communication and Soundscape Design*, a workshop organized by Hans-Joachim Braun and Barry Truax. September 14, 2012, Green College, UBC, Vancouver, BC. Title of talk: Can a Soundscape Become a Painting?
 - *Panpsychism on the Reef*, a workshop on the combination problem for panpsychism. July 20-25, 2012, Lady Elliot Island, Australia. Organized by D. Chalmers, Hosted by the Department of Philosophy, Australian National University, Canberra AU. Title of talk: Amplifying Phenomenal Information.
 - *2012 LERN Lunchtime Lecture Series*, University College London, London, UK, May 29, 2012. Title of talk: The Honing Theory of Creativity.
 - *2012 Department of Psychology Lecture Series*, University of Surrey, Guildford, UK, May 28, 2012. Title of talk: The Honing Theory of Creativity.
 - Invited lecture at the international workshop *Conceptual Spaces at Work*. <http://www.fil.lu.se/conferences/conference.asp?id=46&lang=se> May 24-26, 2012, Lund, Sweden. Host: Frank Zenker. Title of talk: Modeling the Transformation of Conceptual Spaces through Insight.
 - Invited speaker for *University of British Columbia, Okanagan campus, Psychology Department Brown Bag Seminar Series*, April 25, 2012, Kelowna BC. Title of talk: The Honing Theory of Creativity.
 - *2011-2012 Cognitive Science Program Colloquium Series*, University of Arizona, Tucson AZ, November 18, 2011. Title of talk: The Honing Theory of Creativity.
 - *Defining Cognitive Science Colloquium Series*, Simon Fraser University, Vancouver BC, November 16, 2011. Title of talk: Honing theory: A Complex Systems Inspired View of Creativity.
 - *Dagstuhl Seminar Series, Leibniz Center for Informatics*. Schloss Dagstuhl, Germany, August 28 – September 02, 2011. Title of talk: Problem Finding and Problem Solving.
 - *'Mind & Matter' Distinguished Lecture Series*, Institute of Cognitive Science, University of Louisiana, Lafayette, LA, February 16, 2011. Title of talk:

- Competing Theories of Creativity: Selecting Amongst Well-defined Alternatives versus Actualizing the Potential of Half-baked Possibilities.
- *Mind Force: ConverseActions on the Embodied Mind*. University of Siena, Italy, October 8, 2010. Title of talk: Creativity and Dynamical Disequilibrium.
 - *BrusselsBodySpeech: Times of Entanglement*, an event dedicated to exploring the interface between art and science commissioned for the World Expo 2010, Shanghai, China, September 22, 2010. Title of talk: When Concepts get Entangled.
 - *BrusselsBodySpeech: Times of Entanglement*, an event dedicated to exploring the interface between art and science commissioned for the World Expo 2010, Shanghai, China, September 21, 2010. Title of talk: What Goes on in your Mind during a Flash of Insight?
 - *American Psychological Association* convention, symposium on ‘Teaching Psychology Creatively’, San Diego California, August 12, 2010. Title of talk: ‘Teaching Psychology Using Animation, Humor, Examples, and Instructive Games’.
 - *Meeting of the Society for Philosophy and Psychology*, Portland Oregon, June 10-12, 2010. Title of talk: How Does the Creative Process Work?
 - Department of Psychology, University of California, San Bernardino, CA. February 18, 2010. Title of talk: In What Sense does Culture Evolve?
 - Lipo Lab, Department of Archaeology, University of California, Long Beach, CA. February 17, 2010. Title of talk: In What Sense does Culture Evolve?
 - Departments of Business Management and Psychology, Yale University, Newhaven, CT. November 10, 2009. Title of talk: How Does the Creative Process Work?
 - *Harvard University Divinity School, Stuart Kauffman Interdisciplinary Discussion Group*, March 5, 2009. Title of talk: How does the Creative Process Work?
 - *Department of Cognitive Science Seminar Series*, Carleton University, Ottawa Ontario, January 22, 2009. Title of talk: How does the Creative Process Work?
 - *Department of Psychology*, Tufts University, Medford, MA, October 17, 2008. Title of talk: How does the Creative Process Work?
 - *Complexity Perspectives on the Origins of Language, Culture, and Art: An International Workshop*, University of Leiden, The Netherlands, June 19, 2008. Title of **Keynote**: The Origin and Evolution of Creative Culture.
 - *BC Educational Technology Users Group (ETUG) Annual Spring Workshop*, Emily Carr Institute of Art and Design, Vancouver, BC, May 29, 2008. Title of **Keynote**: Creativity: Awakening the Spectrum of Possibilities.
 - *Psychology Departmental Seminar Series*, University of British Columbia,

- Vancouver, BC, Feb 15, 2008. Title of talk: How does the Creative Process Work?
- *Emily Carr Institute of Art and Design Seminar Series*, Vancouver, BC, February 14, 2008. Title of talk: How does the Creative Process Work?
 - *School of Interactive Arts & Technology Seminar Series*, Faculty of Applied Sciences, Simon Fraser University (Surrey campus), Vancouver, BC, February 13, 2008. Title of talk: How does the Creative Process Work?
 - *Culture in Evolutionary Perspective*, an international workshop, Coach House, Green College, UBC Vancouver, April 14-15, 2007. Title of talk: A non-Darwinian Model of Cultural Evolution.
 - *School of Interactive Arts & Technology*, Faculty of Applied Sciences, Simon Fraser University (Surrey campus), Surrey BC. February 21, 2007. Title of talk: Human Invention: From handaxe to palm pilot.
 - *UBC Okanagan Biology Seminar Series*, Kelowna, BC. Nov. 29, 2006. Title of talk: Self-other organization: Why early life did not evolve through natural selection.
 - *Max Planck Institute for Research on Collective Goods*, July 10, 2006, Bonn, Germany. Title of talk: How creative processes drive world change.
 - Meeting of the *European Society for Creativity (Crea Universite)*, Universite Rene Descartes, July 4–6, 2006, Paris, France. Title of talk: Dawn of the creative mind.
 - *Workshop on Memetics*, April 4-5, 2006, Defense Advanced Research Projects Agency (DARPA), Arlington VA. Did not attend in person but my powerpoint presentation was delivered by conference host.
 - *Cognitive Science Winter Lecture Series*, January 18, 2006, Case Western Reserve University. Title of Talk: Dawn of the creative mind.
 - *Workshop on Music and Cognition*, December 20, 2005, Institute des Sciences Cognitives, CNRS, Lyons, France. Title of Talk: Toward a cognitive theory of musical inspiration.
 - *Cognition, Brain, and Behavior Seminar*, February 3, 2005, Department of Psychology, University of California, Berkeley. Title of talk: Evolution of the capacity for creative thought.
 - *Archaeology Seminar Series*, February 8, 2005, Department of Archaeology, University of California, Berkeley. Title of talk: Evolution of the capacity for creative thought.
 - *Multiple Versions of the World: A Conference Celebrating the Centennial and Continued Influence of Gregory Bateson*. November 20, 2004, University of California, Berkeley. Title of poster: Toward an ecological model of concepts and the evolution of ideas.

- *I.D.E.A. Frontier: Industry, Design, Education and the Arts on the Frontier of Innovation*, June 4-6, 2004, St. Clair College, Windsor Canada. Title of **keynote**: The beer can theory of creativity. Title of workshop: The interplay of freedom and constraint in the creative process.
- *USCKI Incognito: A Symposium on Concepts, Consciousness and Cognition*, May 12, 2004, Utrecht, Netherlands. Title of talk: Two transitions in the evolution of human cognition.
- *Meeting of the Zazi Forum*, June 4-5, 2003, San Diego, CA. Talk title: Cognitive mechanisms underlying creativity and implications for innovation.
- *Intelligent Sound and Music Systems Weekly Seminar*, February 6, 2003, Centre for Computational Creativity, University College London. Title of talk: Cognitive mechanisms underlying creativity.
- *Weekly Seminar on Cognition and Archaeology*, February 6, 2003, Institute of Archaeology, City College London. Title of talk: A tentative explanation for the Paleolithic revolution.
- *Paradigms of Change*, May 23-25, 2002, Center for Development Research, University of Bonn, Germany. Title of talk: Do ideas and cultures really evolve?
- *Workshop on Categorization, Recognition, and Perception*, April 18-19, 2002, Department of Psychology, University College London. Title of talk: Contextualizing concepts.
- *Workshop on Cultural Evolution*, May 17-18, 2000, Foundation for the Future, Seattle. Title of talk: Introducing contextuality into a theory of cultural evolution.
- *Subtle Technologies Conference*, May 13-14, 2000, University of Toronto. Title of talk: Creativity as a mirror that reflects and reinforces the self.
- *Konrad Lorenz Institute for Evolution and Cognition Research*, February 8, 2000, Vienna. Title of talk: The origin and evolution of culture.
- *Konrad Lorenz Institute for Evolution and Cognition Research*, February 3, 2000, Vienna. Title of talk: From double aspect theory to human cognition.
- *Center for Theoretical Study, Charles University*, February 10, 2000, Prague. Title of talk: The origin and evolution of culture.
- *Foundations Lecture Series*, July 1998, Center Leo Apostel for Interdisciplinary Studies, Brussels Free University. Title of talk: The origin and evolution of culture and creativity.

CONFERENCES AND WORKSHOP PRESENTATIONS

(Does not include invited lectures—for invited lectures see above. When there are other contributors their names are given and the presenter's name is underlined; when I am the speaker and the only contributor no name is given; students indicated in **bold**.)

Talks

- *Annual International Conference on Biologically Inspired Cognitive Architectures*. August 22-24, 2018, Czech Technical University in Prague, Czech Republic. Title of talk: Informing Artificial Intelligence Generative Techniques using Cognitive Theories of Human Creativity. DiPaola, S., & Gabora, L. & **McCaig, G.**
- *40th Annual Meeting of the Cognitive Science Society*, July 25-28, 2018, Madison WI. Title of talk: Cross-domain influences on creative processes and products. Scotney, V., Weissmeyer, S., & Gabora, L.
- *International Society for the Empirical Study of Literature Conference*, Stavanger Norway, July 25-28, 2018. Title of talk: A Complex Systems Framework for the Emergence of a Writer’s Distinctive ‘Voice’.
- *International Science Fiction Prototyping Conference (SCI-FI’18)*. April 18-19, 2018, Bruges, Belgium. Title of talk: Evolution of the science fiction writer’s capacity to imagine the future. Hosted by EUROSIS, a division of the European Technology Institute.
- *Fourth Meeting of the Society for the Neuroscience of Creativity (SfNC)*. February 16, 2018, Harvard University, Boston MA. Title of talk: Mechanisms Underlying the Forging of a Self-made Creative Worldview.
- *American Psychological Association Convention (Division 10)*, August 3-6, 2017, Washington DC. Title of symposium: ‘The definition of creativity redux’, co-chaired by Magdalena G. Grohman and Jen L. Katz-Buonincontro. Title of talk: Defining creativity in terms of internal change. Note: I was unable to attend so a colleague (Dr. Paul Silvia) presented for me.
- *Marconi Institute for Creativity (MIC)*. September 14-16, 2016, Bologna, Italy. Title of talk: An Integrative Framework for Creativity and its Implications for Social Innovation. Liane Gabora and **Michael Unrau**.
- *American Psychological Association Convention*, August 4-7, 2016, Denver CO. Title of talk: An Integrative Framework for the Evolution of Human Worldviews. (Division 24).
- *American Psychological Association Convention*, August 4-7, 2016, Denver CO. Title of talk: Cross-domain Inspirational Sources. (Division 10).
- *Science of Consciousness*, April 27, 2016, Tucson AZ. Title of talk: Consciousness Explains Human Altruism and Cooperation. Burton Voorhees (Athabasca University), Dwight Read (UCLA) and Liane Gabora.
- *37th Annual Meeting of the Cognitive Science Society*. July 25, 2015, Pasadena, CA. Title of talk: A study and preliminary model of cross-domain influences on creativity. Liane Gabora and Nicole Carbert
- *37th Annual Meeting of the Cognitive Science Society*. July 23, 2015, Pasadena, CA. Title of talk: A communal exchange-based framework for cultural evolution.

- *7th International Conference on Education and New Learning Technologies*, July 6-8, 2015, Valencia, Spain. Title of talk: Creativity training for future engineers: Preliminary results of an educational intervention. Sophie Morin, Jean Marc Robert, and Liane Gabora
- *12th International Conference on Information Technology: New Generations*. April 13-15, 2015, Las Vegas, NV. Title of talk: A light-based immersive visualization environment for imaginative actualization: A new technology for psychological understanding.
- *International Association of Empirical Aesthetics Annual Congress*. August 22-24, 2014, New York. Title of talk: States of cognitive potentiality in art-making. Nicole Carbert, Liane Gabora, Jasmine Schwartz, and Aparajita Ranjan.
- *IEEE International Conference on Innovative Design and Manufacturing*. August 13-15, 2014, Montreal, QU. Title of talk: A new course on creativity in an engineering program: Foundations and issues. Sophie Morin, Jean-Paul Robert and Liane Gabora.
- *36th Annual Meeting of the Cognitive Science Society*. July 26-29, 2014, Quebec City. Title of talk: A tentative role for FOXP2 in the evolution of dual processing modes and generative abilities. Courtney Chrusch and Liane Gabora.
- *36th Annual Meeting of the Cognitive Science Society*. July 26-29, 2014, Quebec City. Title of talk: The unfolding and evolution of creative ideas. Liane Gabora (invited talk for a symposium on Creative Cognition organized by Paul Thagard).
- *Fifth International Conference on Computational Creativity*. June 10-13, 2014, Ljubljana, Slovenia. Title of talk: The social impact of self-regulation on the evolution of simple and complex creative ideas. Liane Gabora and Simon Tseng
- *Annual Meeting of the Association for the Advancement of Artificial Intelligence (AAAI)*, Workshop on ‘Creativity and Cognitive Development: A perspective from Artificial Creativity, Developmental Artificial Intelligence, and Robotics’ at the Annual Spring Symposium, March 25-27, 2013, Stanford University, Stanford, CA. Title of talk: Evidence that cross-domain re-interpretations of creative ideas are recognizable. Aparajita Ranjan, Liane Gabora, and Brian O’Connor.
- *Sixth International Symposium on Quantum Interaction*. June 27-29, 2012, Paris. Title of talk: The guppy effect as interference. Diederik Aerts, Jan Broekaert, Liane Gabora, and Tomas Veloz.
- *Third International Conference on Computational Creativity*. May 31 - June 1, 2012, Dublin, Ireland. Title of talk: How Did Humans Become So Creative? Liane Gabora and Steve DiPaola.
- *Conceptual Structure Discourse and Language Conference*. May 17-20, 2012, Vancouver, BC. Title of talk: Modeling the Transformation of Conceptual Spaces using a Quantum Model of Concept Combination and the Notion of Self-organized Criticality.

- *ACM Conference on Cognition & Creativity*. Nov 3-6, 2011. Atlanta, GA. Title of talk: How did Human Creativity Arise? An Agent-based Model of the Origin of Cumulative Open-ended Cultural Evolution. Liane Gabora and Maryam Saberi.
- *Fifth International Conference on Quantum, Nano and Micro Technologies*, August 21-27, 2011, Nice, France. Title of talk: Quantum Structure in Cognition: Fundamentals and Applications. Diederik Aerts, Sandro Sozzo, Liane Gabora and Tomas Veloz.
- *American Psychological Association* convention in Washington DC, August 4-7, 2011. Title of talk: Do Threatening Situations Evoke Creativity? Sean Riley and Liane Gabora.
- *American Psychological Association* convention in Washington DC, August 4-7, 2011. Title of talk: Authenticity in Performance: Is it Detectable? Madeleine Henderson and Liane Gabora. (Originally accepted as a poster but changed to a talk.)
- *American Psychological Association* convention in Washington DC, August 4-7, 2011. Title of talk: The Recognizability of Creative Style Within and Across the Domains of Art, Writing, and Music. Apara Ranjan, Liane Gabora, Brian O'Connor, and Manuela Ungureanu.
- *American Psychological Association* convention in Washington DC, August 4-7, 2011. Title of talk: Should Everyone Be Creative? A computer simulation. Liane Gabora and Maryam Saberi.
- *Second Meeting of the Society for Complex Systems in Cognitive Science*, July 19, 2011, Boston MA. Title of talk: Insight and Self-organized Criticality. Liane Gabora and Tomas Veloz.
- *44th annual meeting of the Society for Mathematical Psychology, Tufts University*, July 15, 2011, Medford MA. Title of talk: A thought-mode dependent identification of context relevance and exemplar representativeness for concepts. Tomas Veloz and Liane Gabora.
- *Fifth International Symposium on Quantum Interaction*. June 27, 2011, Aberdeen, UK. Title of talk: Toward a formal model of the shifting relationship between concepts and contexts in different modes of thought. Tomas Veloz, Liane Gabora, Mark Eyjolfson and Diederik Aerts.
- *Fall Symposium on Quantum Informatics for Cognitive, Social, and Semantic Processes, Association for the Advancement of Artificial Intelligence (AAAI)*. Washington DC, November 11-13, 2010. Title of talk: An analysis of context dependency in the recognition and manifestation of entrepreneurial opportunity. Murad Mithani, Tomas Veloz, and Liane Gabora.
- *International Conference on Cognition, Experience, and Creativity*, Indian Institute of Technology Gandhinagar. Ahmedabad, India, October 29-31, 2010. Title of talk: The recognizability of individual style in musical interpretation. Liane Gabora, Apara Ranjan and Brian O'Connor.

- *32nd Annual Meeting of the Cognitive Science Society*, Portland, Oregon, August 13, 2010. Title of talk: An Agent-based Simulation of the Effectiveness of Creative Leadership. Liane Gabora and Stefan Leijnen.
- *Annual Convention of the American Psychological Association*. Session 1048: Symposium on Humor, August 6, 2009, Toronto, ON, Canada. Title of talk: The Anatomy of a Joke.
- *Annual Convention of the American Psychological Association*. August 6, 2009, Toronto, ON, Canada. Title of talk: Computer Generated Art Inspired by Mechanisms of Human Creativity. Liane Gabora and Steve DiPaola.
- *Developments in Computational Models: Computational Models from Nature*, a workshop in association with the 36th International Colloquium on Automata, Languages, and Programming (ICALP), sponsored by the European Association for Theoretical Computer Science. July 11, 2009, Rhodes, Greece. Title of talk: The Tradeoff between Degree of Creativity and Number of Creators in a Computational Model of Society. Liane Gabora and Stefan Leijnen.
- *Third International Symposium on Quantum Interaction*. March 25-27, 2009, German Research Center for Artificial Intelligence, Saarbrücken, Germany. Title of talk: Experimental Evidence for Quantum Structure in Cognition. Diederik Aerts, Sven Aerts, and Liane Gabora.
- *Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium 1: Adaptive Agents in a Cultural Context*, November 7-9, 2008, Arlington, VA. Title of talk: Modeling Cultural Dynamics.
- *Genetic and Evolutionary Computing Conference (GECCO)*, July 7-11, 2007, University College London, England. Title of talk: Incorporating Characteristics of Human Creativity into an Evolutionary Art Algorithm. Steve DiPaola and Liane Gabora.
- *Association for the Advancement of Artificial Intelligence (AAAI) Spring Symposium 8: Quantum Interaction*, March 26-28, 2007, Stanford University, Stanford CA. Title of talk: Cultural Evolution Entails (Creativity Entails (Concept Combination Entails Quantum Structure)).
- *Meeting of the European Society for Creativity (Crea Universite)*, Universite Rene Descartes, July 4–6, 2006, Paris, France. Title of talk: Dawn of the Creative Mind.
- *Seventeenth International Conference on Systems Research, Informatics and Cybernetics: Second Symposium on Systems Theory in Religion and Philosophy*, August 3, 2005, Baden-Baden, Germany. Title of talk: On the Foundations of the Theory of Evolution. Diederik Aerts, Stan Bundervoet, Marek Czachor, and Liane Gabora.
- *Third International Conference on Quantum Theory: Reconsiderations of Foundations*, June 7-12, 2005, Växjö, Sweden. Title of talk: Application of

Quantum Formalisms to Biological Rhythms. Diederik Aerts, Marek Czachor, Liane Gabora, & Phillip Polk.

- *Congress on Evolution, Epistemology, Language and Culture*. May 26 - 28, 2004, Free University of Brussels, Belgium. Title of talk: Evolution of Worldviews through Context-driven Actualization of Potential.
- *Society for the Anthropology of Consciousness Annual Meeting*, March 24 - 27, 2004, University of California, Berkeley. Title of talk: Two Transitions in the Evolution of Human Consciousness.
- *Fourth International Conference on Creativity and Cognition*, 13-16 October 2002, Loughborough University UK. Title of talk: Cognitive Mechanisms Underlying the Creative Process.
- *Fifteenth International FLAIRS Conference* (Special Track ‘Categorization and Concept Representation: Models and Implications’), Sponsored by the American Association for Artificial Intelligence. May 14-17, 2002, Pensacola FL. Title of talk: Contextualizing Concepts. Liane Gabora and Diederik Aerts.
- *Workshop on Cultural Evolution*, May 17-18, 2000, Foundation for the Future, Seattle. Title of talk: Introducing Contextuality into a Theory of Cultural Evolution.
- *Third International CAiiA-STAR Conference, Consciousness Reframed*, August 17-20, 2000, Newport Wales. Title of talk: Linkage Disequilibrium in Human Creativity.
- *Toward a Science of Consciousness*, April 10-14, 2000, University of Arizona, Tucson, AZ. Title of talk: Contextuality in conscious experience.
- *Meeting of the Society for Chaos in the Life Sciences*, July 1999, University of California, Berkeley. Title of talk: Stability and Boundaries, Physical and Psychological.
- *Closure: an International Conference on Emergent Organizations and their Dynamics*, held by the Research Community on Evolution and Complexity and the Washington Evolutionary Systems Society, May 3-5, 1999, University of Gent, Belgium. Title of talk: Conceptual closure: Weaving Memories into an Interconnected Worldview.
- *Tenth Meeting of the Human Behavior and Evolution Society*, June 1995, University of California, Santa Barbara CA. Title of talk: A Computer Model of Cultural Evolution.
- *Second International Conference on the Simulation of Adaptive Behavior*, 1992, Honolulu, HI. Title of talk: Should I Stay or Should I Go: Coordinating Biological Needs with Continuously-updated Assessments of the Environment (A Computer Model).

- *First International Conference on the Simulation of Adaptive Behavior*, 1990, Paris. Title of talk: A Model of the Mechanisms Underlying Exploratory Behavior. Liane Gabora and Patrick Colgan.

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POSTERS

- *Cultural Evolution Society Inaugural Conference*, Jena, Germany, 13-15 September, 2017. Title: Identity, Kinship, and Evolution of Cooperation. Burt Voorhees, Dwight Read, & Liane Gabora
- *Student Research Day*, University of British Columbia, Kelowna BC, April 7, 2017. Title: Cross-domain influences on creative processes and products. Sarah Weissmeyer and Liane Gabora.
- *Annual Meeting of the Human Behavior and Evolution Society*, June 29 – July 2, 2016. Vancouver BC. Title: Toward an integrative framework for the evolution of human worldviews. Liane Gabora and Antonio Fadda.
- *International Psychological Applications Conference and Trends (InPACT2016)*. April 30 – May 2, 2016, Lisbon, Portugal. Title: Clinical and Educational Applications of LIVEIA: An Immersive Visualization Environment.
- *Annual Meeting of the Cognitive Science Society*. July 26-29, 2014, Quebec City. Title: Computational evidence that self-regulation of creativity is good for society. Liane Gabora and Simon Tseng.
- *Annual Meeting of the Cognitive Science Society*. July 26-29, 2014, Quebec City. Title: Cognitive states of potentiality in art-making. Nicole Carbert, Liane Gabora, and Jasmine Schwartz.
- *35th Annual Meeting of the Cognitive Science Society*. July 31 - August 3, 2013, Berlin. Title: The recognizability of authenticity. Madeleine Henderson and Liane Gabora.
- *35th Annual Meeting of the Cognitive Science Society*. July 31 - August 3, 2013, Berlin. Title: A computational model of two cognitive transitions underlying cultural evolution. Liane Gabora, Lucius Chia, and Hadi Firouzi.
- *35th Annual Meeting of the Cognitive Science Society*. July 31 - August 3, 2013, Berlin. Title: The Cross-domain re-interpretation of artistic ideas. Apara Ranjan, Liane Gabora and Brian O'Connor.
- *35th Annual Meeting of the Cognitive Science Society*. July 31 - August 3, 2013, Berlin. Title: FOXP2 as the genetic basis for the capacity to shift between analytic and associative modes of thought. Courtney Chrusch and Liane Gabora.
- *34th Annual Meeting of the Cognitive Science Society*. August 1-4, 2012, Sapporo Japan. Title: A conceptual network-based approach to inferring cultural phylogenies. Tomas Veloz, Liane Gabora and Ilya Tempkin.

- *34th Annual Meeting of the Cognitive Science Society*. August 1-4, 2012, Sapporo Japan. Title: Society functions best with an intermediate level of creativity. Liane Gabora and Hadi Firouzi.
- *34th Annual Meeting of the Cognitive Science Society*. August 1-4, 2012, Sapporo Japan. Title: Evidence that threatening situations enhance creativity. Sean Riley and Liane Gabora.
- *34th Annual Meeting of the Cognitive Science Society*. August 1-4, 2012, Sapporo Japan. Title: How a quantum approach to memory incorporates contextuality and potentiality. Liane Gabora and Kirsty Kitto.
- *International Joint Conference on Neural Networks*. June 10-15, 2012, Brisbane, Australia. Title: A quantum information retrieval approach to memory. Kirsty Kitto, Peter Bruza, and Liane Gabora.
- *Annual Convention of the American Psychological Association* in Washington DC, August 4-7, 2011. Title: Potentiality States in Analogy Problem Solving. Adam Saab and Liane Gabora (Originally accepted as a talk but changed to a poster.)
- *Annual Meeting of the Cognitive Science Society*. July 23, 2011, Boston MA. Title: A non-phylogenetic conceptual network architecture for organizing classes of material artifacts into cultural lineages. Liane Gabora, Stefan Leijnen, Tomas Veloz and Carl Lipo.
- *Annual Meeting of the Cognitive Science Society*. July 23, 2011, Boston MA. Title: Creative interference and states of potentiality in analogy problem solving. Liane Gabora and Adam Saab.
- *Annual Meeting of the Cognitive Science Society*. July 21, 2011, Boston MA. Title: Toward a formal model of the shifting relationship between concepts and contexts in associative thought. Co-authors: Tomas Veloz and Liane Gabora.
- *American Psychological Association* convention, San Diego California, August 12-15, 2010. Title: The Recognizability of Individual Creative Style Within and Across Domains. Co-authored by Liane Gabora, Brian O'Connor, and Apara Ranjan.)
- *32nd Annual Meeting of the Cognitive Science Society*, Portland, Oregon, August 13, 2010. Title: Recognizability of Creative Style Within and Across Domains: Preliminary Studies. Liane Gabora.
- *32nd Annual Meeting of the Cognitive Science Society*, Portland, Oregon, August 13, 2010. Title: Studies of the effects on creativity of having very different parents. Brian O'Connor and Liane Gabora.
- *Seventh ACM/SIGCHI Creativity and Cognition Conference*. Hosted by University of California, Berkeley, and Berkeley Art Museum. October 27-30, 2009, Berkeley, CA. Title: The Artist Loft Effect in the Clustering 'Creative Types': A Computer Simulation. Liane Gabora and Stefan Leijnen.

- *Annual Convention of the American Psychological Association*. August 8, 2009, Toronto, ON, Canada. Title: Amplifying Proto-consciousness in a Machine. Co-authored by Liane Gabora, Alan Combs, and Apara Ranjan.
- *Annual Convention of the American Psychological Association*. August 8, 2009, Toronto, ON, Canada. Title: DAWN: A Computer Model of the Development of a Creative Worldview. Co-authored by Liane Gabora and Stefan Leijnen.
- *Annual Convention of the American Psychological Association*. August 8, 2009, Toronto, ON, Canada. Title: The Ancestry of a Poem and the Co-emergence of a Painting.
- *Thirtieth Annual Meeting of the Cognitive Science Society*, July 23-26, 2008, Washington DC. Title: EVOC: A Computer Model of the Evolution of Culture.
- *Summer Institute in Cognitive Sciences*, June 31, 2008, Université du Québec à Montréal, Quebec. Title: EVOC: A Computer Model of Cultural Evolution.
- *40th Annual Meeting of the Society for Mathematical Psychology*, Vancouver, July 25-28, 2006. Title: The State-Context-Property Model of Concepts.
- *New Directions in Cognitive Science*, Simon Fraser University, BC, February 3-4, 2006. Title: A Study of the State-Context-Property Model of Concepts. Mark Eyjolfson and Liane Gabora.
- *New Directions in Cognitive Science*, Simon Fraser University, BC, February 3-4, 2006. Title: Defocused Attention and Associative Priming. Adam Saab and Liane Gabora.
- *Multiple Versions of the World: A Conference Celebrating the Centennial and Continued Influence of Gregory Bateson*. November 20, 2004, University of California, Berkeley. Title: Toward an Ecological Model of Concepts and the Evolution of Ideas.
- *Summer Institute in Cognitive Sciences*, June 29 - July 11, 2003, Université du Québec à Montréal. Title: A Tentative Cognitive Explanation for the Cultural Transition of the Paleolithic.
- *Twenty-fifth Annual Meeting of the Cognitive Science Society*, July 31 - August 2, 2003, Boston MA. Title: Contextual Focus: A Cognitive Explanation for the Cultural Transition of the Paleolithic.
- *Association for the Scientific Study of Consciousness Fourth International Conference on the Unity of Consciousness: Binding, Unity, and Dissociation*, 29 June - 2 July, 2000, Free University of Brussels (ULB), Belgium. Title: From a double aspect theory of information to human consciousness.
- *Fourth International Conference on Artificial Life*, July 1994, Massachusetts Institute of Technology (MIT), Boston MA. Title: A computer Model of the Evolution of Culture.

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INVITED PARTICIPANT AT CONFERENCE OR WORKSHOP — NO TALK OR POSTER

- *Understanding the New Dynamic: A Conference on Art, Technology and the Mind*, January 19-20, 2006, Case Western Reserve University, Cleveland. Artists and scientists invited to discuss relationship between art and cognition.
- *Entanglement at the Human Scale*, February 17-20, 2000, held at ‘The Pope’s House’, hosted by University for Humanist Studies, Utrecht Holland.
- *Do memes account for culture? An International Workshop*, June 1999, King’s College, Cambridge University.
- *Workshop on Cultural Evolution*, April 1997, Santa Fe Institute, Santa Fe, NM.
- *Workshop on Behavioral Plasticity*, August 1993, Santa Fe Institute, Santa Fe, NM.
- *Workshop on Humor*, March 1989, Center for Research on Concepts and Cognition, Bloomington IN.

9. SERVICE

EDITORIAL DUTIES

- **Member of Editorial Board / Assessing Editor**
 - *Journal of Creative Behavior*, Consulting Editor, December 2013 – ongoing
 - *Human Computation*, Associate Editor, 08/2013 – ongoing
 - *Psychology of Popular Media Culture*, Member of Reviewing Board, 04/2011 – ongoing
 - *Chaos and Complexity Letters*, Editorial Board Member, 11/2010 – ongoing
 - *Journal of Aesthetics, Creativity and the Arts* (official journal of Division 10 of American Psychological Association), Editorial Board Member, 10/2010 – ongoing
 - *Journal of Mind and Behavior*, Assessing Editor, 07/2008 – Ongoing
 - *Lake* (a journal devoted to the relationship between the arts and the environment), Editorial Board Member, 2006 – 2013
- **Guest Editor of Special Issue**
 - *Frontiers in Psychology* (section: Organizational), Co-editor with Orin Davis and Roni Reiter-Palmon of special issue on creativity that will be published in 2018
 - *Frontiers in Psychology* (section: Cognition), Co-editor with Sandro Sozzo, Diederik Aerts, and Jan Broekaert of special issue on quantum models of cognition, published in 2015-6 <http://journal.frontiersin.org/ResearchTopic/3562>
 - *Educational Psychologist*, Co-Editor with Robert Sternberg of Special Issue published in 2012

- *Journal of Mathematical Psychology*, Co-editor with Peter Bruza and Jerome Busemeyer of Special Issue published in 2009

- **Editor, Co-editor, or Associate Editor**
 - *Foundations of Science*, Associate Editor, 1999 – Ongoing
 - *Artificial Life Digest*, Co-editor, 1991 – 1993

- **Other**
 - *Behavioral and Brain Sciences*, Associate, 1993 – Ongoing

REVIEWER/REFEREE

- **Peer-reviewed Journals**
- **I have reviewed at least one manuscript (and in some cases many) for each of the following journals:**
 1. Acta Biotheoretica
 2. American Psychologist (IF = 5.45)
 3. Artificial Intelligence for Engineering Design, Analysis and Manufacturing
 4. Arts and Humanities in Higher Education
 5. Behavioral Sciences
 6. Cognitive Science (IF= 2.496)
 7. Cognitive Systems Research (IF= .835)
 8. Connection Science
 9. Constructivist Foundations
 10. Creativity Research Journal (IF= 1.619)
 11. Ecological Psychology
 12. Educational Psychologist (IF = 2.231)
 13. Entropy
 14. Evolution (IF = 5.43)
 15. Evolutionary Economics
 16. Frontiers in Physics
 17. Frontiers in Psychology (IF = 2.843)
 18. Foundations of Science
 19. Human Brain Mapping
 20. Human Computation
 21. Information Sciences (IF = 3.095)
 22. International Journal of Organizational Analysis
 23. International Journal of Theoretical Physics
 24. Journal of Cognitive Science (IF= 2.376)
 25. Journal of Consciousness Studies
 26. Journal of Creative Behavior
 27. Journal of Logic, Language, & Information
 28. Journal of Mathematical Psychology (IF = 1.935)

29. Journal of Memetics
30. Journal of Mind and Behavior
31. Journal of Problem Solving
32. Journal of the Royal Anthropological Society
33. Journal of Theoretical and Philosophical Psychology
34. Journal of Theoretical Biology (IF = 2.574)
35. Leonardo
36. Memory and Cognition (IF = 2.021)
37. Perspectives on Psychological Science (IF = 4.89)
38. PLoS ONE (IF = 3.234)
39. Proceedings of the Royal Society: Biology Letters (IF = 3.000)
40. Psychological Reports
41. Psychological Review (IF = 9.08)
42. Psychology of Aesthetics, Creativity and the Arts (IF= 1.787)
43. Rejuvenation Research (IF = 5.008)
44. Sustainability
45. Synthese

- **Reviewer for Conferences**

- Computational Creativity, Concept Invention, and General Intelligence 2016 (C3GI), Aug 20-22, 2016, Bozen-Bolzano, Italy
- Workshop on Semantic Spaces at the Intersection of NLP, Physics and Cognitive Science (SLPCS 2016) on June 11, 2016
- Seventh International Conference on Computational Creativity, Paris, June 27-July 1, 2016. <http://www.computationalcreativity.net/iccc2016/>
- Annual Meeting of the Cognitive Science Society (most years from 2007 to 2015).
- International Joint Conference on Neural Networks, July 31-August 5, 2011, San Jose, California, USA
<http://iee-cis.org/conferences/ijcnn2011/index.php>
- [Computational Creativity Workshop](#) in association with the 22nd Annual Australasian Joint Conference on Artificial Intelligence (AI_09), December 1-4, 2009.
- Third International Quantum Interaction Symposium (QI-2009), German Research Center for Artificial Intelligence, Saarbruecken, Germany, March 25-27, 2009.
- International Conference on Reputation, Gargonza, Italy, March 18-20, 2009.
- American Psychological Association, Division 10 (Psychology of Aesthetics, Creativity and the Arts), Toronto, Canada, Aug 6-9, 2009.
- Second International Quantum Interaction Symposium, March 2008, Oxford University, Oxford UK.

- First International Quantum Interaction Symposium, March 2007, Stanford University, Stanford CA, sponsored by the Association for the Advancement of Artificial Intelligence (AAAI).
- Memetic Theory in Artificial Systems and Societies (METAS) Symposium 2005.

GRANT AND FELLOWSHIP APPLICATION ASSESSMENT

Assessment Committee Member

- *European Commission, 2012* (ten 200-page, multi-PI applications reviewed in depth; 140 in total)
- *Social Sciences and Humanities Research Council of Canada (SSHRC) Graduate Fellowship Proposal Assessment, 2011-2012* (85 applications reviewed)

External Reviewer

- *National Science Foundation (NSF), USA, 2016* (1 grant application reviewed)
- *Australian Research Council (ARC), 2015* (invited to review proposals for Centres of Excellence)
- *National Science Foundation (NSF), USA, 2015* (1 grant application reviewed)
- *Fund for Scientific Research -- Flanders (FWO), Belgium, 2014* (1 grant application reviewed)
- *National Science Foundation (NSF), USA, 2011* (1 grant application reviewed)
- *Fund for Scientific Research -- Flanders (FWO), Belgium, 2011* (1 grant application reviewed)
- *Austrian Science Fund (FWF), 2011* (2 grant applications reviewed)
- *The Center for Converging Sciences and Technologies, Hebrew University of Jerusalem, Israel, 2006* (1 grant application reviewed)

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WORKSHOP AND SYMPOSIUM ORGANIZATION

Organized, at invitation of Prof. David Henry Feldman a plenary symposium at the *Annual Meeting of the Society for the Study of Human Development* on creativity.

Title: The Development of Creative Abilities

Date: October 5-8, 2017.

Location: Providence, Rhode Island

Organized a symposium for Division 10 (Aesthetics, Creativity and the Arts) at the *Annual Convention of the American Psychology Association*.

Title: Cross-domain Creativity

Date: August 4-7, 2016.

Location: Denver Convention Center, Denver, Colorado

With the support of the Peter Wall Institute for Advanced Studies (PWIAS), <<http://www.pwias.ubc.ca/>>, co-organized with Steve DiPaola (Simon Fraser University) an interdisciplinary Theme Development workshop aimed at sharing interdisciplinary approaches to context, perspective, and creativity.

Title: Context, Perspective, and Creative Combinations: An Interdisciplinary Workshop

Date: October 31, 2012.

Location: Peter Wall Institute for Advanced Studies, UBC, Vancouver, Canada

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SCHOLARLY COMMITTEES AND ORGANIZATIONS

- **Membership on Conference Program Committees / Organizing Committees**
 - Program Committee for the *41st Annual Meeting of the Cognitive Science Society* (CogSci 2019), July 24-27, 2019 in Montréal, Canada.
 - Scientific Committee of the *International Psychological Applications Conference and Trends 2018* (InPACT 2018). Porto, Portugal, May 5-7, 2018.
 - Organizing Committee of the *2nd Problem-solving, Creativity and Spatial Reasoning in Cognitive Systems Symposium - ProSocrates 2017* (<http://creacogcomp.com/prosocrates2017.html>). July 20-21, 2017, at the Hanse-Wissenschaftskolleg (HWK) in Delmenhorst, Germany.
 - Organizing Committee of the *First Cognitive Robotics and Computational Creativity Workshop*. In conjunction with the [First IEEE International Conference on Robotic Computing](#). April 10-12, 2017, Taichung, Taiwan.
 - *Interdisciplinary Semantic Spaces Workshop at the Intersection of NLP, Physics, and Cognitive Science*, collocated with QPL 2016 (<http://qpl2016.cis.strath.ac.uk/>), June 11, 2016, at the University of Strathclyde (Glasgow, Scotland), organized by Dimitrios Kartsaklis (Queen Mary University of London), Martha Lewis (University of Oxford), and Laura Rimell (University of Cambridge).
 - 14th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'16), June 1-3, 2016, at the University of Sevilla, Spain (<http://www.paams.net>), organized by Robert Saunders (University of Sydney).
 - *First International Workshop on Computational Models of Social Creativity*, which was held as part of the above conference (PAAMS), at the University of Sevilla, Spain, June 1-3, 2016. (Note: this was associated with the same conference as the above item but it was a different organizing committee.)
 - 5th International Workshop on Computational Creativity, Concept Invention, and General Intelligence (C3GI), August 20-21, 2016 in Bozen-Bolzano, Italy (http://www.coinvent-project.eu/en/coinvent_events/c3gi_2016.html).
 - International Workshop on "Semantic Spaces at the Intersection of NLP, Physics, and Cognitive Science" collocated with QPL2016, June 6-10, 2016, Glasgow, Scotland. <http://qpl2016.cis.strath.ac.uk/>
 - Seventh International Conference on Computational Creativity, Paris, June 27- July 1, 2016. <http://www.computationalcreativity.net/iccc2016/>

- First International Workshop on Computational Models of Social Creativity. held as part of 14th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS), University of Sevilla, Spain, June 1-3, 2016.
- Sixth International Conference on Computational Creativity, Park City Utah, June 29 - July 2, 2015. http://computationalcreativity.net/iccc2015/?page_id=11
- Eighth International Quantum Interaction Symposium, Organizing Committee Member, Conference Center Lihn, Filzbach, Switzerland, June 30 - July 3, 2014. <http://www.mindmatter.de/QI2014/index.html>
- Social Computing for Collective Action Workshop (held as part of [SocialCom 2013](#).) September 8-14, 2013. Social Logic Institute. http://sociallogic.org/socom_workshop.html
- International Workshop on Cultural Characters in Games and Learning, Association for the Advancement of Artificial Intelligence (AAAI). Edinburgh, UK, August 28, 2013. <http://www.macs.hw.ac.uk/~an22/CCGL/Index.html>
- Seventh International Quantum Interaction Symposium, Organizing Committee Member, University of Leicester, Leicestershire, UK, June 25 - 27, 2013. <http://www.physics.le.ac.uk/qi2013/>
- The Fifth International Conference on Quantum, Nano and Micro Technologies (under NetWare 2011 umbrella), Organizing Committee Member, August 21-27, /2011. <http://www.iaaria.org/conferences2011/ICQNM11.html>
- The First Workshop on Culturally Motivated Virtual Characters, in association with IVA 2011, Organizing Committee Member, September 14, 2011. <http://www.macs.hw.ac.uk/~an22/CMVC.html>
- Fifth International Quantum Interaction Symposium, Organizing Committee Member, Robert Gordon University, Aberdeen, Scotland, UK, June 27-29, 2011.
- Symposium on Quantum Informatics for Cognitive, Social, and Semantic Processes (QI-2010) Program Committee, Nov 11-13, 2010, Washington DC.
- Quantum Interaction Symposium (QI-2009) Program Committee, March 2009, German Research Center for Artificial Intelligence, Saarbrücken, Germany.
- Program Committee for Computational Creativity Workshop in association with the 22nd Annual Australasian Joint Conference on Artificial Intelligence (AI'09), December 2009, Melbourne, Australia.
- American Psychological Association (APA) Division 10 (Psychology of Aesthetics, Creativity and the Arts) Program Committee, Aug 2009, Toronto, Canada.
- Quantum Interactions Symposium (QI-2009) Program Committee, March 2009, German Research Center for Artificial Intelligence, Saarbrücken, Germany.
- Program Committee for First International Conference on Reputation, Gargonza Castle, Tuscany, Italy, March 2009.

- Quantum Interactions Symposium (QI-2008) Program Committee, March 2008, Oxford University.
- Quantum Interactions Symposium (QI-2007) Program Committee, March 2007, Stanford University.
- Program Committee for Memetic Theory in Artificial Systems and Societies (METAS) Symposium, Nottingham University, UK, 2005.
- **Other Scholarly Committees and Organizations**
 - External Professor, Waterloo Institute for Complexity and Innovation, University of Waterloo, ON, CANADA (ongoing)
 - Psychology of Aesthetics, Creativity and the Arts, Division 10 of American Psychology Association (APA), Member of the Awards Committee, 2016 - 2018.
 - Society for Consciousness Studies, Center for Consciousness Studies, California Institute of Integral Studies
 - Member of the Board of Directors, *January 2015* – ongoing.
 - Founding Board Member, 2012 – ongoing.
 - Advisory Board Member of Illume Creativity Research Centre, University of Surrey, 2012 – ongoing.
 - Founding Board Member of the Society for Consciousness Studies, Center for Consciousness Studies, California Institute of Integral Studies, 2012 – ongoing.
 - Chair of Nominations Committee for Division 10 of the American Psychological Association, Sept 2010 – Sept 2012.
 - Psychology of Aesthetics, Creativity and the Arts, Division 10 of American Psychology Association (APA), Member of the Nominations / Elections Committee, 2010 - 2012.
 - External Institute for Scientific Methodology, Palermo Italy, Advisory Board Member, 2007 - ongoing.
 - Association for the Advancement of Artificial Intelligence (AAAI), Member, 2007 - 2010.
 - Psychology of Aesthetics, Creativity and the Arts, Division 10 of American Psychology Association (APA), Member, 2006 - ongoing.
 - Okanagan Sustainability Institute, Board Member, Sept 2005 - ongoing.
 - Zazi Forum, Member and consulting partner, 2002 - 2011.
 - Behavioral and Brain Sciences, Associate, 1993 - ongoing.

SERVICE TO UNIVERSITY (COMMITTEES, BOARDS, OR POLICY-MAKING BODIES)

- Member of DACOPAT (Dean’s Advisory Committee on Promotion and Tenure) for FCCS (Faculty of Creative and Critical Studies, UBCO) 2020-2021
 - Read and evaluate faculty files for tenure and promotion for either Assistant to Associate or Associate to Full Professor
 - Participate in monthly meeting with the Dean and other committee members to collectively discuss and evaluate each file
- **Member of the Faculty Research Awards Committee** (for both Vancouver and Okanagan campuses) <https://research.ubc.ca/support-researchers/prizes-awards/awards-committees>, from 2020 to 2023
 - Total number of Applications Reviewed: 62
 - **Awards adjudicated:**
 1. President’s Award for Public Education through Media (6 applications)
 2. Jacob Biely Prize (11 applications)
 3. Killam Faculty Research Fellowship (16 applications)
 4. Killam Prizes (Arts Sub-committee) (11 applications)
 5. Killam Accelerator Research Fellowship (17 applications)
 6. Dorothy Somerset Award (1 application)
- **Duties:**
 - Review all materials associated with each file (Research Plan, CV, Referee letters)
 - Make notes on each file
 - Rate each file from highest to lowest
 - Three three-hour long meetings with the other committee members to come to an agreement as to which applicants will receive the awards
- March 2016 - Reviewed and evaluated 22 applications to the UBC Okanagan WorkStudy Program for the On Campus Employment Coordinator Advising & Involvement Centre.
- Internal examiner for M.Sc. Thesis Defense (Jonathan Laumer, Faculty of Engineering), December 1, 2014
- Internal examiner for M.Sc. Thesis Defense (Jason Nickel, Physics), June 2014
- UBC Okanagan Adjudication Committee for Interdisciplinary Graduate Student Awards, 2011. (Rated applicants for Graduate Entrance Scholarships and University Graduate Fellowships.)
- UBC Okanagan Psychology Department Colloquium Committee, May 2010 – May 2012.
- UBC Okanagan Library Liason to Unit 4 (Psychology and Computer Science), Aug 2008 – May 2010.

- UBC Okanagan Psychology Graduate Studies Committee, March 2008 - ongoing.
- UBC Okanagan Psychology Search Committee, January - April, 2008.
- UBC Okanagan Philosophy Search Committee, October 2006 - April, 2007.
- UBC Okanagan Assessed proposal for Graduate Program in Mathematics, Oct 2006.
- UBC Okanagan Philosophy Search Committee, October 2005 - April, 2006.
- UBC Okanagan Psychology Curriculum Review Committee, September 2005 - ongoing.
- UBC Okanagan Cognitive Science Committee, September 2005 - ongoing.
- UBC Okanagan Psychology Search Committee, Aug. 2005. Found sessional instructors.

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SERVICE TO COMMUNITY

Frequently contacted (e.g. by representatives of DARPA in Washington, Institute for Creative Development in Seattle, Cultural Strategies Institute in Seneca, Maryland, and Judith-Kate Friedman from the Jewish Home of San Francisco) about applications of my work to issues ranging from the cultural spread of terrorism to innovation in industry to a program that fosters creativity in the elderly.

10. MEDIA

Broadcast

- Interviewed on 28/5/2009 by James Moore on evolution, the notion of the ‘adjacent possible’, and how my research has been influenced by the work of Stuart Kauffman.
 - <http://www.youtube.com/watch?v=Lx3Nub9xe-M>
 - http://www.youtube.com/watch?v=Z-REJwr_ENw
- Interviewed on 8/3/2009 by Richard Kroehling and Ulrike Reinhard as part of a set of 5 interviews (including world-famous physicist Lee Smolin) on my take on some of Stuart Kauffman’s ideas.
- Public lecture given at Simon Fraser University on creativity in 2011 that was filmed and made available online has over 4,500 views:
<http://www.youtube.com/watch?v=EwNKUwQVizo>

- Interviewed in 2014 by Global News about FaceFries mobile app that I developed with Simon Fraser University colleague, Steve DiPaola: <http://globalnews.ca/video/1320346/ubco-professor-thinks-up-new-avatar-app>
- Interview about the creative process produced by Heather Rose, Corporate Secretary of a 501c3 nonprofit radio station based in Roanoke, VA for Radio Free Roanoke. Broadcast on 2017-06-16: <http://rfrstream.org/listen>
- Interviewed by Laura Sciarpetti for Canadian Broadcasting Corporation (CBC) The Morning Edition on ‘The effect of Colour on Emotions’. <https://www.cbc.ca/listen/live-radio/1-66-the-morning-edition-sask/clip/15756411-colour-brings-light-into-january-and-regina-based-candy-shop>. Broadcast on 2020-01-20.
- Interviewed on July 27, 2021 by Noah Aronson for an episode of the *BeMajor Podcast* that aired Dec. 1, 2021. (Scroll down to Episode 11, titled ‘The magic of Creativity.’) <https://bemajor.co/episode-one>
- Interviewed on Dec. 10, 2021 by Tony Lyons (Ottawa, ON) for an upcoming at Alphet Creative podcast. <https://www.alphetcreative.com/flipping-over-rocks/>

(ii) Textual

- On April 16, 2010, I was asked by Carter Phipps to be interviewed on the subject of “complexity theory and how it relates to the creation of a new evolutionary worldview that can help to make deeper sense out of life in the 21st century for *EnlightenNext* magazine.
 - Article on my work with photograph featured in the Foundation for the Future Newsletter, Volume 11, Number 1, Winter 2008/2009. Title of article: Grant Supports Computer Model of Cultural Evolution.
 - Mention of my grant with Belgian collaborators in the University of British Columbia Okanagan Exchange News January 2009. Title of article: Gabora receives substantial funding to research cognitive processes and creativity.
 - Interviewed 04/04/08 by Bud Mortenson for an article on my computer model of cultural evolution that appeared in June 2008 issue of UBC Reports (both paper version and web version) and 02/07/08 issue of Okanagan Exchange Newsletter.
- On November 16, 2010, I was informed that an article on my work will appear in the "Experts in the News" section of 2010 UBC Year in Headlines.

- On January 20, 2011, my views on social media appeared in the Vancouver edition of the publication 24 Hours.
<http://vancouver.24hrs.ca/Lifestyle/2011/01/20/pf-16972071.html>
- The announcement that I won the 2011 Berlyne Award for Outstanding Research by a junior scholar from the American Psychological Association appeared in the following
 - Featured item on the front page of UBCO website on February 7, 2011:
<https://news.ok.ubc.ca/2011/02/07/ubc-psychology-professor-wins-international-award-for-outstanding-research/>
 - Front page of the February 16, 2011 UBC Exchange newsletter:
<https://people.ok.ubc.ca/publicaffairs/exchange/2011-02-16/UBCO-Exchange-2011-02-16.html>
 - February 8, 2011 issue of Kelowna Capital News:
http://www.bclocalnews.com/okanagan_similkameen/kelownacapitalnews/news/115610659.html
 - February 14, 2011 issue of The Daily Courier.
- Interviewed for article on creative thinking during exercise in March 2012 of *Triathlon Magazine Canada*.
- Interviewed in 2013 by Emily Wilson-George on my experience as a woman in the field of Cognitive Science for an article made available to Cognitive Science students at Simon Fraser University.
- Interviewed by Heather Pringle for the cover story of the March 2013 issue of *Scientific American*, p. 37-43, in which my work on the evolution of creativity is discussed and I am extensively quoted. <http://www.ucl.ac.uk/mace-lab/media/commentaries/files/pringle2hp>
- Interviewed January 21, 2014 for an article in *Seymour Magazine* < <http://magazine.seymourprojects.com/2014/01/dr-liane-gabora-on-creativity-a-revolutionary-theory/#> >, a publication devoted to exploring the creative process.
- Interviewed in the fall of 2014 for an article in *International Innovation* by Nick Bagnall, produced by Research Media, on the cultural evolution of integrated worldviews.
- Interviewed on my work and ideas about creativity, featured in article in *Hippo Reads* by Allison Smith, on 05/12/2014.
- Between 10/09/2015 and 22/09/2015 I answered numerous questions for Colleen Abel and Anna Redmond about the creative process (focusing on the painting of

Picasso’s famous painting, Guernica) for an article they were writing. The article can be found here: <http://read.hipporeads.com/how-picassos-guernica-has-shaped-our-understanding-of-creativity/>

- Between 11/03/2016 and 15/03/2016, I answered questions about creativity for Freelance Journalist Dinsa Sachan (<https://dinsasachan.contently.com/>) for an article on this topic.
- Interviewed on May 14, 2017 by Adele McCann for an article in *The Colloquium*: <https://thecolloquiumsite.wordpress.com/2017/06/03/creativity-and-the-evolution-of-the-worldviews-an-interview-with-liane-gabora/>
- Interviewed on May 15, 2017 by Megan Hill for an article in *Stylist* magazine on creativity and cultural appropriation in regards to the fashion industry.
- Responded to a series of email questions by Marcel Alonzo in June / July 2017 for an article in *Psych2go* (1 million+ audience) on applications of mathematical formalisms originally used in quantum mechanics to psychology.
- Interviewed on 2019-07-20 by Tom Maxwell on the creative process for a series for Longreads called *Shelved*: <https://longreads.com/tag/shelved/>
- Interviewed on 2020-02-12 by Katie Mathew for a project on creativity in collaboration with Dr. Jen Katz-Buonincontro at Drexel University.
- **Interviewer:** Lindsay Howe of the UBC Barber School Communications Office for a UBC Okanagan Press Release (Contact: Patty Wellborn)
 - **Topic:** Research on the creative process published in *Acta Psychologica* that appeared in a paper that I co-authored with four UBCO undergraduate students (Victoria Scotney, Jasmine Schwartz, Nicole Carbert, and Adam Saab)
 - **Interview title:** ‘Want to come up with a creative idea? Here’s how’
 - **Date:** 2020-06-12
 - **Link:** <https://news.ok.ubc.ca/2020/06/12/want-to-come-up-with-a-creative-idea-heres-how/>
- **Interviewer:** Professor David Hajdu, a cultural historian and Professor of Journalism at Columbia University, New York; interviewed to obtain material for a book he is writing.
 - **Topic:** Computational creativity: the generation of creative products such as art, music, and poetry using machine learning techniques such as deep learning.
 - **Date:** 2020-08-18

- **Interviewer:** Dr. Robert Shields, Hamilton ON. (musician, musicologist, and lecturer at McMaster University, York University, and Mohawk College)
 - **Topic:** Research by my group on creativity (for a book he is writing titled "Reclaiming Creativity," in which he uses "a systems approach to forming indicators and conditions for creative wellbeing in individuals and cultures."
 - **Date:** 2021-04-23.

Press Releases and Articles About My Research

- Numerous press about the release of new mobile app by the company I co-founded with Steve DiPaola, FaceCo, including:

March 24, 2014

- **Technology.org:** [Apple launches new FaceFries app](#)
- **GRAND NCE:** [New app released by GRAND-funded startup adds "human spark" to social media](#)

March 22, 2014

- **Vancouver Sun (print):** [App transforms photos into chatty animated characters](#)

March 21, 2014

- **AI Topics:** [FaceFries: New app by UBC/SFU profs brings sizzle to social media](#)
- **AI Nation:** [FaceFries: New app by UBC/SFU profs brings sizzle to social media](#)

March 20, 2014

- **Vancouver Sun (electronic):** [FaceFries: New app by UBC/SFU profs brings sizzle to social media](#)
- **Simon Fraser University (1):** [Face Fries](#)
- **Gente de Hoy:** [Nueva aplicación FaceFries 3D caras hablando](#)
- **Faceoff.com:** [FaceFries, an new app by UBC/SFU profs, brings sizzle to social media](#)

March 19, 2014

- **Phys.Org:** [Researchers launch new FaceFries app](#)
- **News1130:** [New facial app has 'scary' realism](#)
- **EuerekAlert:** [Apple launches new FaceFries app](#)
- **Simon Fraser University (2):** [Apple launches new FaceFries app](#)
- **GeekGawk:** [ReseARCHerz lAUnch nu fACEFRIEz APP](#)

- **Media Outlet: Scientific American – Chinese Version**
Interview or Feature/News Story: Feature/News Story
Title: 四萬多年前的洞穴壁畫，其實不是人類最早的創造力遺跡，我們的祖先在更早的時期就跳出了思考的框架！(Translation: The Evolution of Creativity; I believe this is a translation of the print article listed above) URL: <http://sa.ylib.com/MagArticle.aspx?Unit=featurearticles&id=3017>
Topic: Creativity
Date: May 17, 2016
- **Media Outlet: KARCOMICS MAGAZINE NEWS**
Interview or Feature/News Story: Feature/News Story
Title: Cartoons: The Art of Dissenters URL: ismaikar.com/vla2016.htm
Topic: Humor
Date: Sept 12, 2016
- **Media Outlet: Okanagan-Okanogan**
Interview or Feature/News Story: Feature/News Story
Title: Ripeness URL: <https://okanaganokanogan.com/tag/sumac/>
Topic: Creativity (contains discussion of a book chapter by myself and Nancy Holmes) Date: Oct 6, 2016
- **Media Outlet: Wide Orbits**
Interview or Feature/News Story: Feature/News Story
Title: In-depth | Artificial Intelligence: the creative processor? URL: <http://wideorbits.com/science/essay-the-computational-creation-myth/>
Topic: Creativity
Date: Nov 1, 2016
- **Media Outlet: MyWhere (Italy)**
Interview or Feature/News Story: Feature/News Story
Title: Breve indagine sulla creatività (Translation: Brief survey on creativity)
URL: <http://www.mywhere.it/creativita/>
Topic: Creativity
Date: Nov 23, 2016
- **Media Outlet: Kurier (Poland)**
Interview or Feature/News Story: Feature/News Story
Title: Badaczka memów: są jak geny dziedzictwa kultury URL: <http://kurier.pap.pl/depesza/170632/Badaczka-memow-sa-jak-geny-dziedzictwa-kultury>
Topic: Cultural evolution – memes
Date: Dec 5, 2016
- **Media Outlet: Elliot Borges Thinks**
Interview or Feature/News Story: Feature/News Story

- Title: The ‘It Is What It Is’ Generation URL:
[https://www.elliottborgesthinks.com/single-post/2016/12/16/The- It-is- What-It-Is-Generation](https://www.elliottborgesthinks.com/single-post/2016/12/16/The-It-is-What-It-Is-Generation)
Topic: An article about my Psychology Today blog about the phrase ‘It is what it is’ (this is the least complimentary of all the media stories mentioned here)
Date: Dec 15, 2016
- **Media Outlet: Scientific American**
Interview or Feature/News Story: Feature/News Story
Title: The Origins of Creativity URL:
<http://www.nature.com/scientificamerican/journal/v26/n1s/full/scientificamericancreativity0317-4.html>
Topic: Creativity
Date: February 16, 2017
 - **Media Outlet: Ibraaz: Contemporary Visual Culture in North Africa and the Middle East (brief mention only)**
Interview or Feature/News Story: Feature/News Story
Title: Condemned to Depth: Invisible Architecture in Rana ElNemr’s Streams of Synonyms URL: http://www.ibraaz.org/essays/172#_edn8
Topic: Visual Creativity
Date: March 16, 2017
 - **Media Outlet: Super-Nowa (Poland) (brief mention only)**
Interview or Feature/News Story: Feature/News Story
Title: Badaczka memów: są jak geny dziedzictwa kultury (Translation: Meme Scientist: They are like genes of cultural heritage) URL: <http://www.super-nowa.pl/kultura-cat/art-badaczka-memow-sa-jak-geny-dziedzictwa-kultury,6418>
Topic: Cultural evolution
Date: January 14, 2017
 - **Media Outlet: EurekAlert: The Global Source for Science News**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory explain why jokes are funny?
URL: https://www.eurekalert.org/pub_releases/2017-03/f-cqt031717.php
Date: March 17, 2017
 - **Media Outlet: Phys.Org**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory explain why jokes are funny?
URL: <https://phys.org/news/2017-03-quantum-theory-funny.html>
Date: March 17, 2017
 - **Media Outlet: Science Newsline**
Interview or Feature/News Story: Feature/News Story

- Title: Can quantum theory explain why jokes are funny?
URL: <http://www.sciencenewsline.com/news/2017031715470013.html>
Date: March 17, 2017
- **Media Outlet: Europa Press**
Interview or Feature/News Story: Feature/News Story
Title: ¿Puede la teoría cuántica explicar la gracia de un chiste?
URL: <http://www.europapress.es/ciencia/laboratorio/noticia-puede-teoria-cuantica-explicar-graciachiste-20170317165815.html>
Date: March 17, 2017
 - **Media Outlet: Signs of the Times**
Interview or Feature/News Story: Feature/News Story
Title: Quantum theory: Can it explain why jokes are funny?
URL: <https://www.sott.net/article/345557-Quantum-Theory-Can-it-explain-why-jokes-are-funny>
Date: March 17, 2017
 - **Media Outlet: Science Daily**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory explain why jokes are funny?
URL: <https://www.sciencedaily.com/releases/2017/03/170317102438.htm>
Date: March 17, 2017
 - **Media Outlet: RMF24 (Poland)**
Interview or Feature/News Story: Feature/News Story
Title: Kwantowa teoria... żartu? URL: <http://www.rmf24.pl/nauka/news-kwantowa-teoria-zartu,nId,2370512>
Date: March 17, 2017
 - **Media Outlet: Notey**
Interview or Feature/News Story: Feature/News Story
Title: Quantum Theory: Can it Explain Why Jokes are Funny?
URL: <http://www.notey.com/blogs/explaining-the-joke>
Date: March 17, 2017
 - **Media Outlet: Health Medicinet**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory explain why jokes are funny?
URL: <http://healthmedicinet.com/i/can-quantum-theory-explain-why-jokes-are-funny/>
Date: March 18, 2017
 - **Media Outlet: Eurasia Review**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory explain why jokes are funny?

URL: <http://www.eurasiareview.com/19032017-can-quantum-theory-explain-why-jokes-are-funny/>

Date: March 19, 2017

- **Media Outlet: Business Standard News**
 Interview or Feature/News Story: Feature/News Story
 Title: Why are jokes funny? Ask quantum theory
 URL: http://www.business-standard.com/article/news-ians/why-jokes-are-funny-ask-quantum-theory-117031900281_1.html
 Date: March 19, 2017
- **Media Outlet: Levante (Madrid)**
 Interview or Feature/News Story: Feature/News Story
 Title: ¿Por qué nos reímos con los chistes? La teoría cuántica puede explicarlo
 URL: <http://www.levante-emv.com/sociedad/2017/03/19/reimos-chistes-teoria-cuantica-explicarlo/1543380.html>
 Date: March 19, 2017
- **Media Outlet: Bizsiziz (Turkey)**
 Interview or Feature/News Story: Feature/News Story
 Title: Kuantum Teorisi Şakaların Neden Komik Algılandığını Açıklayabilir Mi?
 URL: <http://www.bizsiziz.com/kuantum-teorisi-sakalarin-komik-algilandigini-aciklayabilir-mi/>
 Date: March 19, 2017
- **Media Outlet: Boston Red Socks**
 Interview or Feature/News Story: Feature/News Story
 Title: Two quantum physicists walk in and out of a bar ... Can humour be reduced to a pure equation? And what do dead cats have to do with it? Cathal O'Connell explains.
 URL: http://www.forums.mlb.com/discussions/Boston_Red_Sox/General/OTClimateChangedefeatedKhansinvasion/ml-redsox/286767.1157?redirCnt=1&nav=messages
 Date: March 19, 2017
- **Media Outlet: The Economic Times (India)**
 Interview or Feature/News Story: Feature/News Story
 Title: Why do we find jokes funny? Quantum theory might explain
 URL: http://economictimes.indiatimes.com/articleshow/57717497.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst
 Date: March 19, 2017
- **Media Outlet: Real Clear Science**
 Interview or Feature/News Story: Feature/News Story
 Title: Physicists Develop Quantum Model for Humor

- URL: <http://www.eurasiareview.com/19032017-can-quantum-theory-explain-why-jokes-are-funny/>
Date: March 20, 2017
- **Media Outlet: ZME Science**
Interview or Feature/News Story: Feature/News Story
Title: Quantum mechanics may explain why some jokes are funny — and others, not so much
URL: <http://www.zmescience.com/medicine/mind-and-brain/quantum-formalism-funny-puny/>
Date: March 20, 2017
 - **Media Outlet: Cosmos Magazine**
Interview or Feature/News Story: Feature/News Story
Title: Two quantum physicists walk in and out of a bar...
URL: <https://cosmosmagazine.com/physics/two-quantum-physicists-walk-in-and-out-of-a-bar>
Date: March 20, 2017
 - **Media Outlet: Postimees (Estonia)**
Interview or Feature/News Story: Feature/News Story
Title: Naljakas, aga ei ole ka – teadlased üritavad selgitada huumorit kvant-naljade teooriaga
URL: <http://tehnika.postimees.ee/4051795/naljakas-aga-ei-ole-ka-teadlased-uritavadselgitada-huumorit-kvant-naljade-teooriaga>
Date: March 20, 2017
 - **Media Outlet: UBC News**
Interview or Feature/News Story: Feature/News Story
Title: Why do we find jokes funny? Quantum theory might explain
URL: <https://news.ubc.ca/2017/03/20/why-do-we-find-jokes-funny-quantum-theory-might-explain/>
Date: March 20, 2017
 - **Media Outlet: The Sun (UK)**
Interview or Feature/News Story: Feature/News Story
Title: Boffins uncover why our headlines are so hilarious... and the answer involves quantum physics
URL: <https://www.thesun.co.uk/news/3137806/boffins-uncover-why-our-headlines-are-so-hilarious-and-the-answer-involves-quantum-physics/>
Date: March 21, 2017
 - **Media Outlet: Scinexx: Das WissenMagazin (Germany)**
Interview or Feature/News Story: Feature/News Story
Title: Skurril: Quantentheorie erklärt Wortwitz Was Humor mit Quantenphysik zu tun hat

URL: <http://www.scinexx.de/wissen-aktuell-21275-2017-03-21.html>

Date: March 21, 2017

- **Media Outlet: Batrachospermum (Russia)**
Interview or Feature/News Story: Feature/News Story
Title: Квантовая теория юмора
URL: <http://batrachospermum.ru/2017/03/quantum-theory-of-humor/>
Date: March 21, 2017
- **Media Outlet: MIT Technology Review**
Interview or Feature/News Story: Feature/News Story
Title: The Curious Case of the Quantum Theory of Humor
URL: <https://www.technologyreview.com/s/603948/the-curious-case-of-the-quantum-theory-of-humor/>
Date: March 22, 2017
- **Media Outlet: Frontiers Blog**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory explain why puns are funny?
URL: <https://blog.frontiersin.org/2017/03/22/can-quantum-theory-explain-why-puns-are-funny/>
Date: March 22, 2017
- **Media Outlet: Bezopastnost (Russia)**
Interview or Feature/News Story: Feature/News Story
Title: КВАНТОВАЯ МЕХАНИКА ПОМОЖЕТ КАНАДСКИМ УЧЕНЫМ ПОНЯТЬ ШУТКИ
URL: https://bezopasnost-tv.ru/news/kvantovaja_mekhanika_pomozhet_kanadskim_uchenym_ponjat_shutki_i_8939
Date: March 22, 2017
- **Media Outlet: UBC News**
Interview or Feature/News Story: Feature/News Story
Title: Quantum Theory Can Help Us Identify Why We Find Jokes Funny
URL: <https://news.ubc.ca/2017/03/23/quantum-theory-can-help-us-identify-why-we-find-jokes-funny/>
Date: March 23, 2017
- **Media Outlet: Hindustan Times**
Interview or Feature/News Story: Feature/News Story
Title: Quantum Theory Can Help Us Identify Why We Find Jokes Funny
URL: <http://paper.hindustantimes.com/epaper/showarticle.aspx?article=9fc586c6-ca18-47e2-9d7b-93224ec947d7>
Date: March 23, 2017

- **Media Outlet: XMAN (Czech Republic)**
Interview or Feature/News Story: Feature/News Story
Title: Vtipy podle vzorečků kvantové teorie. Věda se snaží pochopit humor
URL: https://xman.idnes.cz/humor-kvantove-teorie-06l-/xman-styl.aspx?c=A170322_163241_xman-styl_fro
Date: March 23, 2017
- **Media Outlet: Science Alert**
Interview or Feature/News Story: Feature/News Story
Title: Researchers Say the Maths Behind Quantum Theory Can Explain Humour
URL: <http://www.sciencealert.com/researchers-used-the-maths-behind-quantum-theory-to-explain-humour>
Date: March 24, 2017
- **Media Outlet: Physics World**
Interview or Feature/News Story: Feature/News Story
Title: Quantum punchlines, the cloud atlas, NASA schooled
URL: <http://blog.physicsworld.com/2017/03/24/quantum-punchlines-the-cloud-atlas-nasa-schooled/#more-14370>
Date: March 24, 2017
- **Media Outlet: The Scottish Sun**
Interview or Feature/News Story: Feature/News Story
Title: Experts work out why Scottish Sun Headlines are so funny, using quantum theory
URL: <https://www.thescottishsun.co.uk/news/773598/scottish-sun-headlines-puns/>
Date: March 24, 2017
- **Media Outlet: The Light Media**
Interview or Feature/News Story: Feature/News Story
Title: Researchers Say the Maths Behind Quantum Theory Can Explain Humour
URL: <http://thelightmedia.com/posts/56607-researchers-say-the-maths-behind-quantum-theory-can-explain-humour>
Date: March 24, 2017
- **Media Outlet: Horsetalk**
Interview or Feature/News Story: Feature/News Story
Title: Behind Every Good Horse Joke is Quantum Theory, Research Suggests
URL: <http://www.horsetalk.co.nz/2017/03/24/horse-joke-quantum-theory-research/#axzz4eX98RerV>
Date: March 24, 2017
- **Media Outlet: Gizmodo**
Interview or Feature/News Story: Feature/News Story

- Title: E se il segreto dell'umorismo fosse scritto nella meccanica quantistica?
URL: <http://es.gizmodo.com/como-las-matematicas-detras-de-la-teoria-cuantica-podri-1793598329>
Date: March 24, 2017
- **Media Outlet: big think**
Interview or Feature/News Story: Feature/News Story
Title: Quantum Theory Could Explain Our Sense of Humor, Study Shows
URL: <http://bigthink.com/philip-perry/quantum-theory-could-explain-our-sense-of-humor-study-shows>
Date: March 26, 2017
 - **Media Outlet: Science & Vie (French)**
Interview or Feature/News Story: Feature/News Story
Title: L'HUMOUR SUIT LES LOIS DE LA PHYSIQUE QUANTIQUE
URL: <https://www.science-et-vie.com/article/des-chercheurs-decouvrent-que-la-physique-quantique-fait-rire-8116>
Date: March 26, 2017
 - **Media Outlet: Health Medicine Network (This is a different article from the March 18 one)**
Interview or Feature/News Story: Feature/News Story
Title: Can quantum theory help explain why jokes are funny?
URL: <http://healthmedicinet.com/i/can-quantum-theory-help-explain-why-jokes-are-funny/>
Date: March 27, 2017
 - **Media Outlet: University Herald**
Interview or Feature/News Story: Feature/News Story
Title: Quantum Theory Holds the Key to Our Sense of Humor
URL: <http://www.universityherald.com/articles/70764/20170327/quantum-theory-holds-the-key-to-our-sense-of-humor.htm>
Date: March 27, 2017
 - **Media Outlet: Max Mag Greece**
Interview or Feature/News Story: Feature/News Story
Title: Μπορεί να εξηγήσει η Κβαντική Θεωρία γιατί κάτι είναι αστείο
URL: <http://www.maxmag.gr/epistimi/bori-na-exigisi-i-kvantiki-theoria-kati-astio/>
Date: March 27, 2017
 - **Media Outlet: N+1 (Spanish edition)**
Interview or Feature/News Story: Feature/News Story
Title: El humor, explicado con las matemáticas detrás de la mecánica cuántica

URL: <https://nmas1.org/news/2017/03/28/humor-cuamico>

Date: March 27, 2017

- **Media Outlet: BON PUR LORYAN (Turkey)**
Interview or Feature/News Story: Feature/News Story
Title: Bir şeyleri neden komik buluruz?
URL: <http://bonpurloryan.com/2017/03/27/mizah-kavramina-kuantum-yorum-10734/>
Date: March 27, 2017
- **Media Outlet: ZBRUC (Ukraine)**
Interview or Feature/News Story: Feature/News Story
Title: КВАНТОВА ТЕОРІЯ ПОЯСНЮЄ ГРУ СЛІВ (Translation: Quantum Theory Explains Wordplay)
URL: <https://zbruc.eu/node/64044>
Date: March 28, 2017
- **Media Outlet: Technology Reviews (Spanish edition)**
Interview or Feature/News Story: Feature/News Story
Title: La curiosa relación entre el sentido del humor y la superposición cuántica
URL: <https://www.technologyreview.es/s/7519/la-curiosa-relacion-entre-el-sentido-del-humor-y-la-superposicion-cuantica>
Date: March 30, 2017
- **Media Outlet: 搜狐 (China)**
Interview or Feature/News Story: Feature/News Story
Title: 量子力学揭示幽默的深层机制，语义冲突就像量子态叠加 (Translation: Quantum mechanics reveals a deep mechanism of humor, and semantic conflicts are like quantum state superposition)
URL: http://www.sohu.com/a/131236449_354973
Date: March 30, 2017
- **Media Outlet: ifuun (China)**
Interview or Feature/News Story: Feature/News Story
Title: 幽默感涉及的認知過程竟涉及量子現象。那麼，可以藉助量子力學來揭示幽默的深層機制嗎？
URL: <http://www.ifuun.com/a20173311537062/>
Date: March 31, 2017
- **Media Outlet: Laboratory News**
Interview or Feature/News Story: Feature/News Story
Title: The Science Behind Humor
URL: <http://www.labnews.co.uk/comment/science-behind-humour-01-04-2017/>
Date: April 1, 2017
- **Media Outlet: Australian Broadcasting Corporation**

Interview or Feature/News Story: Interview

Date: April 5, 2017

- **Media Outlet: La Vanguardia**
Interview or Feature/News Story: Feature/News Story
Title: Los algoritmos del humor
URL:
<http://www.lavanguardia.com/tecnologia/20170408/421527558553/algoritmos-humor.html>
Date: April 8, 2017
- **Media Outlet: am.com (Mexico)**
Interview or Feature/News Story: Feature/News Story
Title: Humor y teoría cuántica
URL: <https://www.am.com.mx/2017/04/08/leon/opinion/humor-y-teoria-cuantica35278>
Date: April 8, 2017
- **Media Outlet: AllAboutNews**
Interview or Feature/News Story: Feature/News Story
Title: Quantum Theory Could Explain Our Sense of Humor
URL: <http://allaboutnews.net/37084/quantum-theory-explain-sense-humor/>
Date: April 10, 2017
- **Media Outlet: Grupo Interdisciplinario (Argentina)**
Interview or Feature/News Story: Feature/News Story
Title: Humor and Quantum Theory
URL: <https://grupoappeler.wordpress.com/category/freud/>
Date: April 10, 2017
- **Media Outlet: BARCELONADOT**
Interview or Feature/News Story: Feature/News Story
Title: Los algoritmos del humor
URL: <http://www.barcelonadot.com/robots-con-la-capacidad-de-hacer-reir/>
Date: April 11, 2017
- **Media Outlet: La Republica**
Interview or Feature/News Story: Feature/News Story
Title: E se il segreto dell'umorismo fosse scritto nella meccanica quantistica?
URL: http://www.repubblica.it/scienze/2017/04/11/news/e_se_il_segreto_dell_umorismo_fosse_scritto_nella_meccanica_quantistica_-162746262/?rss
Date: April 12, 2017
- **Media Outlet: Curiosity.com**
Interview or Feature/News Story: Feature/News Story

- Title: Why scientists want to use quantum theory to explain why jokes are funny
URL: <https://curiosity.com/topics/why-scientists-want-to-use-quantum-theory-to-explain-why-jokes-are-funny-curiosity/>
Date: April 12, 2017
- **Media Outlet: BendedReality.com**
Interview or Feature/News Story: Feature/News Story
Title: Quantum theory attempts to explain why jokes are funny
URL: <http://bendedreality.com/quantum-theory-attempts-to-explain-why-jokes-are-funny/>
Date: April 13, 2017
 - **Media Outlet: Syhrazade (Indonesia)**
Interview or Feature/News Story: Feature/News Story
Title: Cak Lontong dan Teori Kuantum Tentang Humor (Translation: Cak Lontong and Quantum Theory About Humor)
URL: <http://syhrazade.com/cak-lontong-dan-teori-kuantum-tentang-humor/>
Date: April 18, 2017
 - **Media Outlet: SANLIURFA (Turkey)**
Interview or Feature/News Story: Feature/News Story
Title: Kuantum teorisi şakaların neden komik olduğunu açıklayabilir mi?
URL: <http://www.sanliurfa.biz/kuantum-teorisi-sakalarin-neden-komik-oldugunu-aciklayabilir-mi-3184.html>
Date: April 19, 2017
 - **Media Outlet: Cronaca (Italian)**
Interview or Feature/News Story: Feature/News Story
Title: PERCHE' RIDIAMO?/ Un nuovo modello matematico ci spiega perché ci si diverte
URL: <http://www.frogheart.ca/?p=23452>
Date: April 20, 2017
 - **Media Outlet: Frogheart (Italian version)**
Interview or Feature/News Story: Feature/News Story
Title: Why are jokes funny? There may be a quantum explanation
URL: <http://www.ilsussidiario.net/News/Cronaca/2017/4/20/PERCHE-RIDIAMO-Un-nuovo-modello-matematico-ci-spiega-perche-ci-si-diverte/760398/>
Date: April 21, 2017
 - **Media Outlet: physicsworld.com**
Interview or Feature/News Story: Feature/News Story
Title: Quantum punchlines
URL: <http://blog.physicsworld.com/tag/science-and-society/>

Date: April 21, 2017

- **Media Outlet: galileonet (Italy)**
Interview or Feature/News Story: Feature/News Story
Title: E se il segreto dell'umorismo fosse scritto nella meccanica quantistica?
URL: <http://www.galileonet.it/2017/04/segreto-dellumorismo-fosse-scritto-nella-meccanica-quantistica/>
Date: April 21, 2017
- **Media Outlet: Saurium (Amazing Destinations section)**
Interview or Feature/News Story: Discussion of our work
Title: The Science Behind Humor
URL: <http://saurium.com/the-science-behind-humour/>
Date: April 25, 2017
- **Media Outlet: Scientia (Romania)**
Interview or Feature/News Story: Discussion of our work
Title: Teoria „cuantică” a umorului
URL: <http://www.scientia.ro/blogurile-scientia/blog-catalina-curceanu/7057-teoria-cuantica-a-umorului.html>
Date: May 27, 2017
- **Media Outlet: Frogheart (Australian version)**
Interview or Feature/News Story: Feature/News Story
Title: Section beginning 'Aiming to answer the question of what kind of formal theory is needed to model the cognitive representation of a joke'
URL: <http://www.frogheart.ca/?tag=australia>
Date: July 7, 2017
- **Media Outlet: Enterprising Investor**
Interview or Feature/News Story: Just a reference to our work
Title: E se il segreto dell'umorismo fosse scritto nella meccanica quantistica?
URL: <https://blogs.cfainstitute.org/investor/2017/07/28/weekend-reads-funny-computers/>
Date: July 28, 2017
- **Media outlet: Kerrisdale Playbook**
Interview or Feature/News Story: Feature/News Story
Title: Creativity and the Evolution of Worldviews: An Interview with Liane Gabora
URL: <http://www.kccplaybook.org/2017/07/14/creativity-and-the-evolution-of-the-worldviews-an-interview-with-liane-gabora/>
Date: July 14, 2017

[and others]

11. ARTISTIC WORKS, PERFORMANCES, AND EXHIBITIONS

ART AND FILM EXHIBITIONS

- Gabora, L. (2017). The arts as a porthole to alternative approaches, solutions, and perspectives. An essay to accompany the art exhibition project *Back to the Sandbox: Art and Radical Pedagogy* at the Western Washington University in Bellingham, WA.
- Art generated by computer program I designed with Steve DiPaola was showcased at MIT and Cambridge in 2009, and it was also made available on the internet where it was used by thousands.
- Paintings exhibited at Java Joe's Coffee House, Santa Fe NM, 1997.
- My animated short film titled *Self-referencial Face* was presented at the Artificial Life VI Conference at University of California, Los Angeles, 1997.
- Paintings exhibited at Ten Women Gallery, Los Angeles, 1994.
- Paintings exhibited at Anastasia's Asylum Coffee House, Los Angeles, 1995.

FICTION

Gabora, L. (under review). Wonderful, Fabulous Planet Zearth.

Gabora, L. (under review). A Quiliand's Guide to the Mental Life of Humans.

Gabora, L. (under review). Ground State.

Gabora, L. (2021). Meme and Variations. *Schlock!* - The best webzine for sci fi, fantasy, and horror (December issue).

http://www.schlock.co.uk/pb/wp_84fb6f54/wp_84fb6f54.html

Gabora, L. (2020). Truth or Dare. *Bewildering Stories*, vol. 867.

http://www.bewilderingstories.com/issue867/truth_dare1.html

Gabora, L. (2019). The Dragonfly Lure. *Maple Tree Literary Supplement*, Vol. 24.

(Published in Ottawa, Ontario). <https://www.mtls.ca/issue24/liane-gabora/>

Gabora, L. (2019). The Marmot. *Catamaran*, 26, 65-67. (Published in Santa Cruz, California).

Gabora, L. (2019). One Way Trip. *The Fiddlehead*, 278, 13-28. (Published by University of New Brunswick).

Gabora, L. (2018). The Glory of Groove. *Metapsychosis*. (A journal of consciousness, literature and art; published by Cosmos Cooperative).

<https://www.metapsychosis.com/the-glory-of-groove/>

Gabora, L. (2003). Violation. *Fiction*, 16(2), 121-134. (Published by Department of English, City College of New York).

MUSIC

- My song *Be You* was performed at the Santa Fe Institute Music Night (online), July 31, 2020. Alanna Coady – lead vocals, Liane Gabora - piano and backup vocals, Nick Nickerson - cello. Words and music by Liane Gabora.
- My electronic music composition *Stream Not Gone Dry* was performed at Royce Hall, University of California, Los Angeles, Spring 1993. A piano version can be found at https://people.ok.ubc.ca/lgabora/artistic_files/Gabora-Liane-Stream.wav

12. BUSINESS VENTURES

FACECO

Co-president with Steve DiPaola of a company from 2013 to 2018 that develops facial technology for a mobile environment. One of our aims is simply to create products that foster creativity and laughter. On a more serious level, by playing with images and representations of self and other, we hope users will develop a stronger sense of personal identity that encompasses not just who they are but who they could be, as well as a deeper sense of interconnectedness. **Product:** Face Fries is a mobile phone app that brings photos to life on your mobile device. It allows you to turn 2D photos of faces into animated 3D versions of the people in the photo, mate them to create “offspring faces”, and modify them to create modified versions or “mods” (e.g., older or tattooed version, clown version, zombie version,...). Version 1.0 became available in March, 2014.

www.facefries.com