City University of New York, Brooklyn College

Assistant Professor

RESEARCH	I develop novel mathematical and computational methods for modelling the effects of anthropogenic change on species interactions and ecosystem services		
EDUCATION 2007–2010	DPhil Doctorate in Condensed Matter Physics University of Oxford Department of Physics and Wolfson College Thesis title: Structure, dynamics, and robustness of ecological networks Examiners: Sir Professor Charles Godfray and Professor Roger Guimerà Supervisors: Professor Felix Reed-Tsochas, Dr Nick S. Jones, Professor Neil F. Johnson All conditions satisfied in 2011, degree awarded in 2013		
2003-2007	MPhys Undergraduate Master of PhysicsUniversity of OxfordFirst Class Honours, St. Anne's College		
POSITIONS 2019–present	Assistant Professor Department of Biology City University of New York (CUNY) Brooklyn College and The Graduate Center, PhD Subprogram in Ecology, Evolutionary Biology, and Behavior (EEB); Affiliated Faculty at the Science and Resilience Institute at Jamaica Bay (since 2022)		
2016-2018	Research Fellow Social-Ecological Networks University of Maryland, College Park National Socio-Environmental Synthesis Center, with Professor Margaret Palmer		
2016	Postdoctoral Researcher Microbial invasion University of Maryland, College Park Department of Biology, with Professor Bill Fagan		
2013 - 2015	Research Fellow Environmental Risk University College London Centre for Biodiversity and Environment Research, with Dame Professor Georgina Mace		
2013	Consultant Scientist Urban Pollinators ProjectUniversity of BristolSchool of Biological Sciences, with Professor Jane Memmott		
2011-2013	Postdoctoral Researcher Ecological Networks University of Chicago Department of Ecology & Evolution, with Professor Stefano Allesina		
PUBLICATIONS MENTORED	3LICATIONS 23. Staniczenko, P.P.A. & Panja, D. (2023). Temporal origin of nestedness in interaction networks. PNAS Nexus, <i>Early View</i>		
STUDENTS22. French, C.M., Bertola, L.D., Carnaval, A.C., Economo, E.P., Kass, J.M., D.J., Marske, K.A., Meier, R., Overcast, I., Rominger, A.J., Staniczenko, I Hickerson, M.J. (2023). Global determinants of insect mitochondrial genetic Nature Communications, 14, 5276			
	21. Graham, N.R., Krehenwinkel, H., Lim, J.Y., Staniczenko, P.P.A. , Callaghan, J Andersen, J.C., Gruner, D.S. & Gillespie, R.G. (2023). Ecological network structure in response to community assembly processes over evolutionary time. Molecular Ecology 32, 6489–6506		
	20. Lue [‡] , CH., Abram, P.K., Hrcek, J., Buffington, M.L. & Staniczenko, P.P.A. (2023). Metabarcoding and applied ecology with hyper-diverse organisms: recommendations for biological control research. Molecular Ecology, 32, 6461–6473		
2022	19. Fagan, W.F., Swain, A., Banerjee, A., Ranade, H., <u>Thompson, P.R.</u> , Staniczenko , P.P.A. , Barrett, F., Hungerford, J. & Hurwitz, S. (2022). Quantifying interdependencies in geyser eruptions at the Upper Geyser Basin, Yellowstone National Park. Journal of Geophysical Research: Solid Earth, 127, e2021JB023749		

2022	18. Zambrano, J., Arellano, G., Swenson, N.G., Staniczenko, P.P.A. , Thompson, J., & Fagan, W.F. (2022). Analyses of three-dimensional species associations reveal departures from neutrality in a tropical forest. Ecology, 103, e3681		
2021	17. Lue [‡] , CH., Buffington, M.L., Scheffer, S., Lewis, M., Elliott, T.A., Lindsey, A.I.R., Driskell, A., Jandova, A., Kimura, M.T., Carton, Y., Kula, R.R., Schlenke, T.A., Ma- teos, M., Govind, S., Varaldi, J., Guerrieri, E., Giorgini, M., Wang, X., Hoelmer, K., Daane, K.M., Abram, P.K., Pardikes, N.A., Brown, J.J., Thierry, M., Poirié, M., Gold- stein, P., Miller, S.E., Tracey, W.D., Davis, J.S., Jiggins, F.M., Wertheim, B., Lewis, O.T., Leips, J., Staniczenko, P.P.A. & Hrcek, J. (2021). DROP: Molecular voucher database for identification of <i>Drosophila</i> parasitoids. Molecular Ecology Resources, 21, 2437–2454		
	16. Guy*, T.J., Hutchinson*, M.C., Baldock, K.C.R., Kayser, E., Baiser, B., Stan-iczenko, P.P.A. , Goheen, J.R., Pringle, R.M. & Palmer, T.M. (2021). *Joint first authors. Large herbivores transform plant-pollinator networks in an African savanna. Current Biology, 31, 2964–2971		
	15. Losapio, G., Schöb, C., Staniczenko, P.P.A. , Carrara, F., Palamara, G.M., De Moraes, C.M., Mescher, M.C., Brooker, R.W., Butterfield, B.J., Callaway, R.M., Cavieres, L.A., Kikvidze, Z., Lortie, C.J., Michalet, R., Pugnaire, F.I. & Bascompte, J. (2021). Network motifs involving both competition and facilitation predict biodiversity in alpine plant communities. Proceedings of the National Academy of Sciences USA, 118, e2005759118		
2020	14. Timm, C.M., Loomis, K., Stone, W., Mehoke, T., Brensinger, B., Pellicore, M., Staniczenko, P.P.A. , Charles, C., Nayak, S. & Karig, D. (2020). Isolation and characterization of diverse microbial representatives from the human skin microbiome. Microbiome, 8, 58		
	13. <u>Thompson, P.R.</u> , Fagan, W.F. & Staniczenko , P.P.A. (2020). Predictor species: Improving assessments of rare species occurrence by modeling environmental co-responses. Ecology & Evolution, 10, 3293–3304		
	12. Alexander [*] , S.M., Staniczenko[*] , P.P.A. & Bodin, Ö. (2020). *Joint first au- thors. Social ties explain catch portfolios of small-scale fishers in the Caribbean. Fish & Fisheries, 21, 120–131		
2019	11. Baldock, K.C.R., Goddard, M.A., Hicks, D.M., Kunin, W.E., Mitschunas, N., Morse, H., Osgathorpe, L.M., Potts, S.G., Robertson, K.M., Scott, A.V., Staniczenko , P.P.A. , Stone, G.N., Vaughan, I.P. & Memmott, J. (2019). A systems approach reveals urban pollinator hotspots and conservation opportunities. Nature Ecology & Evolution, 3, 363–373		
2018	10. Staniczenko, P.P.A. , Suttle, K.B. & Pearson, R.G. (2018). Negative biotic interactions drive predictions of distributions for species from a grassland community. Biology Letters, 14, 20180426		
2017	9. Staniczenko, P.P.A., Lewis, O.T., Tylianakis, J.M., Albrecht, M., Coudrain, V., Klein, AM. & Reed-Tsochas, F. Predicting the effect of habitat modification on networks of interacting species. (2017). Nature Communications, 8, 792		
	8. Staniczenko, P.P.A. , Sivasubramaniam, P., Suttle, K.B. & Pearson, R.G. (2017). Linking macroecology and community ecology: Refining predictions of species distribu- tions using biotic interaction networks. Ecology Letters, 20, 693–707		
	7. Bewick [*] , S., Staniczenko[*] , P.P.A. , Li, B., Karig, D. & Fagan, W.F. (2017). *Joint first authors. Invasion speeds in microbial systems with toxin production and quorum sensing. Journal of Theoretical Biology, 420, 290–303		
2016	6. Caravelli ^{‡,*} , F. & Staniczenko[*] , P.P.A. (2016). *Joint first authors. Bounds on transient instability for complex ecosystems. PLOS ONE, 11, e0157876		

2014	5. Staniczenko, P.P.A. , Smith, M.J. & Allesina, S. (2014). Selecting food web models using normalized maximum likelihood. Methods in Ecology & Evolution, 5, 551–562		
2013	4. Staniczenko, P.P.A. , <u>Kopp, J.C.</u> & Allesina, S. (2013). The ghost of nestedness in ecological networks. <u>Nature Communications</u> , 4, 1931		
2012	3. De Sassi, C., Staniczenko , P.P.A. & Tylianakis, J.M. (2012). Warming and ni- trogen affect size structuring and density dependence in a host-parasitoid food web. Philosophical Transactions of the Royal Society B, 367, 3033–3041		
2010	2. Staniczenko, P.P.A., Lewis, O.T., Jones, N.S. & Reed-Tsochas, F. (2010). Structural dynamics and robustness of food webs. Ecology Letters, 13, 891–899		
2009	1. Staniczenko, P.P.A. , Lee, CF. & Jones, N.S. (2009). Rapidly detecting disorder in rhythmic biological signals: A spectral entropy measure to identify cardiac arrhythmias. Physical Review E, 79:011915		
GRANTS	Santa Fe Institute Working Group PI, \$20k		
2018	Next-generation ecological network theory and application		
2016-2018	National Socio-Environmental Synthesis Center FellowshipPI, \$215kPredicting the effect of socioeconomic and environmental change on the structure of biotic interactions and the provision of ecosystem services (International Competition)		
2014-2015	British Ecological Society Large Grant PI, £20k How do food webs respond to bottom-up changes driven by habitat modification?		
2013-2015	AXA Postdoctoral FellowshipPI, €120kHow accurately can we predict species extinction and reintroduction? Embracing ecological complexity to assess risk in ecosystems (International Competition)		
2007-2010	Doctoral Fellowship Awarded by the Helsinki University of Technology PI, \$80k Computational Complex Systems and Networks Research (International Competition)		
AWARDS	Excellence in Scholarly and Creative Achievement at Brooklyn College		
2023 2022	Tow Mentoring Initiative award to mentor undergraduate students at Brooklyn College, $1k$		
	CUNY STEM Pedagogy Institute Fellowship award to develop innovative approaches to teaching computational methods, \$5k		
2021	Roberta S. Matthews Center for Teaching and Learning Course Develop- ment Fellowship award to develop more inclusive undergraduate courses, \$2k		
	Faculty Fellowship Publication Program (FFPP) award to design and execute scholarly publications, \$4k		
	Certificate in Effective Online Teaching Practices from the Association of College and University Educators (ACUE)		
2014	Top Referee in 2014 Proceedings of the Royal Society B		
2010	David Ryan Prize for distinguished work by a graduate student in Physics		
2007	Data Connection Prize for the best use of software in an MPhys Thesis		
2006	Clayman Scholarship to work in quantitative finance in NYC, \$10k		
2004 - 2007	Scholar highest undergraduate academic honour, St. Anne's College		

SUPERVISION 2023-present	PhD supervisor James Herlan Ecology, Evolutionary Biology, and Behavior	City College, CUNY	
	Undergraduate project mentor Alex Colasanti Staniczenko lab	Brooklyn College, CUNY	
	PhD committee Rhema Uche-DikeAmeriRichard Gilder Graduate SchoolAmeri	can Museum of Natural History	
2022	Undergraduate project mentor Torie Robinson Staniczenko lab	Brooklyn College, CUNY	
2021	Undergraduate project mentor Mitchell Borshch Brooklyn College Cancer Center	Brooklyn College, CUNY	
2021-present	PhD committee Andriele Silva Biochemistry	Brooklyn College, CUNY	
2020-present	PhD committee Laura Boggess Plant Sciences	New York Botanical Garden	
	PhD committee Connor French Ecology, Evolutionary Biology, and Behavior	City College, CUNY	
	PhD co-supervisor Grégoire Proudhom Department of Entomology	Czech Academy of Sciences	
	PhD committee Erica Johnson Ecology, Evolutionary Biology, and Behavior	City College, CUNY	
2020-2023	PhD committee Aislyn Keyes Ecology and Evolutionary Biology	University of Boulder Colorado	
2020-2022	Postdoctoral research mentor Chia-Hua Lue Staniczenko lab	Brooklyn College, CUNY	
2020	Undergraduate project mentor Chrismal Abraham Department of Computer and Information Sciences	Brooklyn College, CUNY	
2019-2022	PhD committee Jennifer Zhu Ecology, Evolutionary Biology, and Behavior	Baruch College, CUNY	
2019	NSF Summer REU mentor Quiana Berry Brooklyn Urban Ecology and Environment (BUEE) Pr	Brooklyn College, CUNY Program	
2019-2023	PhD committee Gonzalo Enrique Pinilla Buitrago Ecology, Evolutionary Biology, and Behavior	City College, CUNY	
2018-2022	PhD committee Humberto Castillo Gonzalez Department of Plant Sciences and Landscape Architect	University of Maryland, CP	
2018	Undergraduate project mentor Peter Thompson Department of Statistics	University of Maryland, CP	
2017	Undergraduate project mentor Samantha Berman Department of Biology	University of Maryland, CP	
2015	Undergraduate research intern Elise Damstra Staniczenko lab	University College London	
	PhD project mentor Teresa Attenborough Interdisciplinary Life Sciences	University College London	
2014-2015	PhD project mentor Andrew Maher Interdisciplinary Life Sciences	University College London	
2014	Postdoctoral research mentor Francesco Caravelli Staniczenko lab	University College London	
2009-2010	Master's project mentor Sameen Khan Department of Mathematics	University College London	

TEACHING 2020-present	Organizer BIOL7910G: Biology Colloquium Arrange seminar series and mark student summaries of t	Brooklyn College, CUNY alks 14 weeks	
	Lecturer BIOL3030W: Scientific Writing	Brooklyn College, CUNY	
	Communicating science to decision-makers and the public	(originated course) 14 weeks	
	Fundamental Topics in Ecology (originated course)	Brooklyn College, CUN Y 14 weeks	
2019-present	Lecturer BIOL76001: Ecology Fundamental and Contemporary Topics in Ecology (origi	Graduate Center, CUNY nated course) 14 weeks	
	Lecturer BICM87001: Bioinformatics with practicum Scientific Computing for Biologists (4 weeks, originated c	Graduate Center, CUNY ourse) 14 weeks	
2019-2020	Lecturer NSF Advanced Training Course Introduction to Social and Ecological Networks Analysis	SESYNC 5 full days	
2019	Lecturer NSF Summer REU Statistics and Scientific Computing (originated course)	Brooklyn College, CUNY 2 half days	
2014	Lecturer NERC Advanced Training Short Course Introduction to Ecological Modelling, Graduate level	University College London 2 full days	
	Lecturer Workshop on Networks in Ecology Beyond nestedness in ecological networks, Undergraduate	Umeå University, Sweden e level 2 full days	
2008-2010	Lecturer MSc Integrative Biosciences Quantitative Methods in Biology, Graduate level	University of Oxford 2 full days	
2008-2009	Demonstrator MPhys Physics Introduction to C programming, Undergraduate level	University of Oxford 4 weeks	
ACADEMIC SERVICE 2022-present	Reviewer for Ecological Society of America Annual Meeting Session Proposals Chair (Elected) Theoretical Ecology Section, Ecological Society of America		
2021	Vice-chair (Elected) Theoretical Ecology Section, Ecological Society of America		
2021	Guest Associate Editor PLOS Computational Biology		
2020-PRESENT	Panelist for NSF (USA) Grant proposal review, Divis	ion of Environmental Biology	
2018-PRESENT	Recommender for Peer Community in Ecology		
2018	Executive Board Inclusive Ecology Section, Ecological	Society of America	
2014-present	Reviewer for NSERC (Canada) Strategic Projects Program		
	Reviewer for NSF (USA) Standard Grant and CARE	ER Grant	
	Reviewer for NERC (UK) Standard Grant and New	Investigator Scheme	
2010-PRESENT	 Reviewer for over 100 manuscripts across 43 peer-reviewed journals Nature Communications, Nature Ecology & Evolution, Nature Scientific Reports, Science Advances, PLOS Biology, PLOS Computational Biology, PLOS ONE, Proceedings of the Royal Society A, Proceedings of the Royal Society B, Biology Letters, Ecology Letters, Ecology & Evolution, Frontiers in Ecology and Evolution, Frontiers in Plant Science, Methods in Ecology & Evolution, Theoretical Ecology, Ecological Modelling, Basic & Applied Ecology, Journal of Applied Ecology, Journal of Animal Ecology, Journal of Natural History, Molecular Ecology, Landscape & Urban Planning, Oikos, Global Change Biology, Ecography, Journal of Biogeography, Global Ecology & Biogeography, Diversity & Distributions, Biological Conservation, Current Biology, Journal of Theoretical Biology, Theory in Biosciences, Diversity, PeerJ, Microbiome, Computer Methods and Programs in Biomedicine, Physical Review Letters, Physical Review X, Physical Review E, Journal of the Royal Society Interface 		

INSTITUTIONAL	EEB Steering Committee	Graduate Center, CUNY
SERVICE	University Faculty Senate	CUNY
2019-present	University Faculty Council	Brooklyn College, CUNY
	Chair, Committee on Review of Student Records	Brooklyn College, CUNY
2019	NSF Summer REU Selection Committee	Brooklyn College, CUNY
2018-2022	Special Member of the Graduate Faculty Department of Plant Science and Landscape Architecture	University of Maryland, CP
2017-2019	Equity, Diversity & Inclusion Committee Representative for faculty (Elected)	University of Maryland, CP
	Mentoring Sub-Committee Chair Designed a new Individual Development Plan for postdoct	University of Maryland, CP toral researchers
	University Senate Representative for postdoctoral researchers (Elected twice	University of Maryland, CP
2004-2005	Physics Joint Consultative Committee Undergraduate representative (Elected)	University of Oxford
OUTREACH	Educational Video National Socio-Environmental Synth Writer, producer, and presenter of "Introduction to Ecolog	nesis Center Winter 2020 gical Networks"
	Panelist Postdoctoral Research Symposium, MD Session on Transitioning to a Faculty Position	13 Sept 2019
	Panel Moderator Postdoctoral Research Symposium, M Session on Transitioning to a Faculty Position	ID 17 Sept 2018
	Planning Committee Graduate Career Pathways Confe Organised session on environmental policy, NGOs, and co	erence, MD 20 April 2018 nservation
	Judge Graduate Research Appreciation Day, University of	of Maryland 4 April 2018
	Judge Graduate Research Appreciation Day, University of	of Maryland 5 April 2017
	Exhibition Curator Transforming Space, Denys Wilking	son Building 7–9 May 2009
	Workshop Organiser Process in Physics and Art, Oxfor	rd 12 Feb 2009
	Highschool Mentor Maths, ages 10–12, Cherwell School	l, Oxford 2008
TALKS *Invited 2023	36. *Ecological networks—Mapping the tangled bank. MasterClass, three two-hour lectures and two two-hour computing practicals, 5–7 June 2023, Centre for Complex Systems Studies, Utrecht University, Netherlands.	
2022	35. *Integrating Empirical and Theoretical Approaches in M moderator. Ecological Society of American Annual Meet Canada	Iutualistic Networks. Session ing, 18 Aug 2022, Montreal,
	34. *Predictive community ecology: putting networks to w 23 March 2022, Department of Biology, Queens College, ONY	ork. Departmental Seminar, City University of New York,
2021	33. *Decolonizing a traditional lecture-based course in ecology—my in-progress attempt. Seminar, 7 Oct 2021, Center for Teaching and Learning, Brooklyn College, City University of New York, NY	
2020	32. *Predictive community ecology: putting networks to work. Departmental Seminar, 5 Feb 2020, Department of Ecology & Evolution, Stony Brook University, NY	
2019	31. Reckless Ideas in Ecological Networks. Symposium Orga 2019, The Center for the Study of Complex Systems, Univ	aniser and Speaker, 9–10 May versity of Michigan, MI
	30. *Predictive community ecology: putting networks to w 11 March 2019, Department of Biology, City College, City	ork. Departmental Seminar, University of New York, NY

2019	29. *Predictive community ecology: putting networks to work. Session on Ecology, Evolutionary Biology, and Behavior, 14 Feb 2019, American Museum of Natural History, NY
2018	28. Modelling interaction frequencies and preferences in Drosophila-parasitoid commu- nities using networks. Entomological Society of America Annual Meeting, 14 Nov 2018, Vancouver, Canada
	27. Predicting the effect of habitat modification on networks of interacting species. Ecological Society of America Annual Meeting, 8 Aug 2018, New Orleans, LA
	26. *Predicting shifts in insect feeding interactions following deforestation. Departmen- tal Seminar, 2 March 2018, Department of Entomology, University of Maryland, College Park, MD
2017	25. Multilayer conjugation networks. Presentation to United States Department of Defence, 21 Nov 2017, The Johns Hopkins Applied Physics Laboratory, Laurel, MD
	24. *Predictive community ecology: putting networks to work. Departmental Seminar, 9 Nov 2017, Center for Conservation Biology, Stanford University, CA
	23. *Networks and ecology. Departmental Seminar, 1 Sept 2017, Computation and Mathematics for Biological Networks Program, University of Maryland, College Park, MD
	22. *Refining predictions of species distributions using biotic interaction networks. Workshop, Novel Methods for Modelling Complex Dynamic Ecological Systems, 21 Aug 2017, Centre for Biodiversity and Conservation Science, University of Queensland, Aus- tralia
	21. *Revealing the Causes and Consequences of Interaction Complexity using Gradient-Based Ecological Networks. Session moderator. Ecological Society of America Annual Meeting, 10 Aug 2017, Portland, OR
	20. Refining predictions of species distributions using biotic interaction networks. Ecological Society of America Annual Meeting, 7 Aug 2017, Portland, OR
2016	19. *Predicting weighted ecological networks in human-modified habitats. Departmen- tal Seminar, 11 Nov 2016, Department of Biological Sciences, University of Maryland Baltimore County, MD
	18. Invasion speeds in microbial systems. Presentation to United States Department of Defence, 1 Nov 2016, The Johns Hopkins Applied Physics Laboratory, Laurel, MD
2015	17. *How will social and environmental change impact ecological communities and ecosystem services? Departmental Seminar, 18 Nov 2015, National Socio-Environmental Synthesis Center, Annapolis, MD
	16. *Predicting weighted ecological networks in human-modified habitats. Departmental Seminar, 20 Oct 2015, CABDyN Complexity Centre, Saïd Business School, University of Oxford, UK
	 Bounds on transient instability for complex ecosystems. Data Natives Meeting 2015, May 2015, City University London, UK
	14. *Predicting weighted ecological networks in modified environments. Departmental Seminar, 27 March 2015, London Institute of Mathematical Sciences, UK
	13. *Reallocation of trophic interactions and the predictability of parasitoid-host food web structure in modified habitats. Departmental Seminar, 5 March 2015, School of Biological Sciences, University of Canterbury, Christchurch, New Zealand
2014	12. *Food webs and bipartite networks. Workshop on Grand Challenges in Ecosystems and the Environment: Networks in Ecology and Evolution, 14 July 2014, Silwood Park, Imperial College London, UK
	11. *Ecosystem services and the limits of our predictive capability. AXA Pop Day, 21 June 2014, AXA Headquarters, Paris, France

2014	10. *Beyond nestedness: Using directed networks. Workshop on Networks in Eco	. *Beyond nestedness: Using directed acyclic graphs to model bipartite matrices and tworks. Workshop on Networks in Ecology, 20 May 2014, Umeå University, Sweden		
	9. Robustness of plant-pollinator comm Pollination, 28 April 2014, Department of	unities in four UK cities of Biological Sciences, Uni	. Meeting on Urban versity of Bristol, UK	
	 8. Ecological networks: There's method 2014, Centre for Biodiversity and Envir UK 	in the madness. Departm conment Research, Univer	ental Seminar, 3 Feb rsity College London,	
2013	7. *The ghost of nestedness in ecological networks. Complexity Seminar Series 2013, Keble College, University of Oxford, UK			
	6. *Modelling and measuring progress in Departmental Seminar, 24 Oct 2013, Ins of Oxford, UK	complex systems using dis stitute for New Economic	rected acyclic graphs. Thinking, University	
	5. *The ghost of nestedness in ecological networks. Departmental Seminar, 25 Feb 2013, Department of Genetics, Evolution and Environment, University College London, UK			
2011	4. A Bayesian framework for predicting quantitative food-web structure using species traits. Ecological Society of America Annual Meeting, 10 Aug 2011, Austin, TX			
2010	3. Structural dynamics and robustness of food webs. British Ecological Society Annual Meeting 2010, 7 Sept 2010, Leeds, UK			
2009	2. Local trophic adaptation requires a new approach to ecosystem robustness. NetSci '09 International Conference on Networks, 2 July 2009, Venice, Italy			
	1. An entropy-based algorithm to rapidl tion. Houses of Parliament, 9 March 200	y detect cardiac arrhythm 09, London, UK	nias. Poster presenta-	
VISITS 2017	Professor Berry Brosi Predicting plant-pollinator networks		Stanford University	
2015	Professor Jason Tylianakis Predicting host-parasitoid networks	University of Canterbury, New Zealand		
2009	Professor Brian Uzzi Robustness of ecological networks	Northwestern Institute on Complex Systems		
	Professor Jennifer Dunne Food webs with trophic adaptation		Santa Fe Institute	
2004	Professor Robert Jahn Financial market models		Princeton University	
INDUSTRY 2007	23red Brand Communications Agency Consultant on a public sector advertisin	g project	London, UK One week	
	Nomura Investment Bank Global MarketsLondon, UKConsultant in convertible bonds sales and researchThree months			
2006	New Amsterdam Partners Asset Ma Intern in quantitative research and port	nagement New York City, USA Three months		
2005	JP Morgan Investment Bank Globa Intern in equity research, semiconductor	l Markets and oil & gas industries	London, UK Three months	