

CamiloRodriguezBeltran

camilo.rodriguezbeltran@gmail.com

DOB: 20 August 1981

+56 9 76652688

www.camilorodriguez.net

Current affiliations

- Head of Innovation and Associate Professor of School of Engineering, Universidad del Desarrollo (UDD), Chile. www.ingenieria.udd.cl
- Researcher at the Institute of Data Science, the Center for Materials Exploration and the Center for Sustainability and Natural Resources Management at UDD, Chile
- Head and Founder of *Factoría* the Space for Technological Creation at UDD, leading the Cellular and City Dynamics Lab www.factoriax.cl
- Adjunct Researcher at the Millennium Centre for Marine Conservation of the Pontificia Universidad Católica de Chile www.conservacionmarinauc.cl and the Research Center for Social Complexity at UDD www.complejidadsocial.cl
- Senior TEDFellow 2014 and TED Fellow 2010. Selected for the international program for young innovators in technology, entertainment, design, science and arts. www.ted.com/fellows/
- Expert nominated for the Open-ended Online Expert Forum for Risk Assessment and Risk Management of the UN Convention on Biological Diversity. http://bch.cbd.int/onlineconferences/forum_ra.shtml
- Member of the Centre for Integrated Research in Biosafety (INBI), an interdisciplinary group in biosafety and risk analysis at the University of Canterbury. www.inbi.canterbury.ac.nz
- Founder and fellow of the multidisciplinary think tank “*Taleo initiative*” whose work focus on the creation of innovative ideas for global challenges. www.taleo-initiative.org
- Founder and Global Coordinator of “*GKo Gallery*” an art gallery and tech/art exploration space situated in the Basque Country and in Chile. www.gko-gallery.com
- Member of *Box.A* a basque art collective. www.boxagara.com
- Member of the Islands Knowledge Institute (IKI) www.islands-knowledge.org
- Organizer and curator of the conference on interdisciplinary innovation TEDxSantiago www.tedxantiago.com

Research areas*

- Exploration for low-cost and appropriate sensor systems for environment and health monitoring.
- Novel approaches in data intelligence for data acquisition and data visual design (Environmental monitoring and surveillance systems)
- Participative, collaborative and context-based approaches for knowledge generation in vulnerable areas.
- Research-based risk analysis and identification for biosafety
- Responsive environments and communities
- Design of autonomous sampling/testing devices

- Predictive analytics
- Development of responsive materials/paints
- Democratization of art+science

Professional experience

- 2012-2016. *Head of Innovation*, School of Engineering, Universidad del Desarrollo, Chile.
- 2012-2016. *Associate Professor*, School of Engineering, Universidad del Desarrollo, Chile. Head of Factoria (Space for Technological Creation) and attached to the Institute of Data Science, the Center for Materials Exploration and the Center for Sustainability and Natural Resources Management.
- 2008-2012. *Independent scientific researcher/consultant*. Technical advisory, project external evaluator and biosafety capacity building for governments, NGOs and academia.
- 2004-2008. *Research Associate*. University of Canterbury. Christchurch, New Zealand. Attached to the Laboratory of Molecular Biology and to the Centre for Integrated Research in Biosafety (INBI).
- 2003-2004. *Research Assistant*. Biotechnology and Bioprocesses Laboratory (UMR CNRS 5504, UMR INRA 792). Toulouse, France.
- 2000. *Engineer Assistant*. Nestlé Company. Toluca, Mexico.

Professional exchanges/ Research stays

- 2014 and 2015. Little Devices Lab. MIT. Cambridge, USA.
- 2007-2008. Landscape and Environment Ecology Group (GEPAMA). University of Buenos Aires. Buenos Aires, Argentina.
- 2007. Norwegian Institute of Gene Ecology (GENØK). Tromsø, Norway.
- 2003. New Zealand Institute of Gene Ecology (NZIGE). University of Canterbury. Christchurch, New Zealand.

Teaching and communication*

- Lecturer at undergrad and postgrad engineering degrees in critical analysis of advanced technologies, applied innovation, environmental monitoring, risk assessment and low-cost participatory approaches to technology.
- Conducted lectures and workshops in participative technology, art+science, environmental monitoring, biotechnology, gene ecology, biosafety and scientific risk assessment at International and Regional Biosafety Courses, Intergovernmental seminars,
- Student supervision: 9 MSc degree project, 8 Bachelor degree project and 14 summer projects.

* See detailed CV for full list of publications, presentations, conferences, workshops and posters available at www.camilorodriguez.net

- Invited lecturer at 16 different universities and research centers including: International Design Center MIT, Harvard Graduate School of Design, Max Planck Institute of Molecular Cell Biology and Genetics (Germany), Federal University of Santa Catarina (Brazil), University of the South Pacific (Vanuatu), University of the Philippines, University of Costa Rica, among others.
- Invited speaker in 20 countries for public seminars, conferences and workshops on technology, street art, biotechnology, biosafety, environmental monitoring and global challenges.
- Invited speaker at TED conferences on interdisciplinarity and participatory science and art.

Languages

Fluent in French, Spanish and English, working knowledge of Italian and Portuguese.

Education

1999-2004. MSc. in Biochemical, Food Science and Microbial Genetics Engineering. Institut National des Sciences Appliquées (INSA). Toulouse, France. Major in Post-genomic sciences.

1999-2004. Engineering Degree in Biochemistry, Food Science and Microbial Genetics. INSA. Toulouse, France.

References

Prof. Jack Heinemann
School of Biological Sciences.
University of Canterbury.
Christchurch, New Zealand
Ph. +64 3 364 2926
jack.heinemann@canterbury.ac.nz

Prof. Terje Traavik
School of Medicine.
University of Tromsø.
Tromsø, Norway
Ph: +47 77 64 43 79
terje.traavik@fagmed.uit.no

José Gomez-Marquez
Little Devices Lab
MIT, Boston
Ph. +1 617 674 7516
jfgm@mit.edu

Assoc. Prof. Alvaro González
School of Engineering
Universidad del Desarrollo.
Santiago, Chile
Ph: +56 2 3279104
aagonzalez@ingenieros.udd.cl

Assoc. Prof. Bradley Cantrell
Harvard Graduate School of Design
Harvard University
Boston, USA
Ph. +1 617 775 6442
bcantrell@visual-logic.com

Dr. Gaël Yvert
Laboratoire de Biologie Moléculaire.
Ecole Normale Supérieure de Lyon.
Lyon, France.
Ph: +33 4 72728717 gael.yvert@ens-lyon.fr