

Marte Roel Lesur

Nationality: Mexico

Date of birth: 01.01.1988

Education

- 2017-2020** Ph.D. in Cognitive Neuropsychology, *Summa Cum Laude* - University of Zurich, Switzerland.
- 2011-2012** M.Sc. in Cognitive Systems and Interactive Media - Universitat Pompeu Fabra, Spain.
- 2011, 2014** Postgraduate studies in Philosophy of Science - National Autonomous University of Mexico
- 2008-2012** B.M. in Composition and Electronic Production and Design, *Summa Cum Laude* - Berklee College of Music, USA; transferred from Academia de Música Fermatta, Mexico.

Relevant professional experience

- 2020-** Postdoctoral researcher in the Cognitive Neuropsychology with focus on Body Self and Plasticity group, Department of Psychology, University of Zurich. Research in neuropsychology, virtual reality development and administration of tech facilities, managing experimental meetings.
- 2012-now** Cofounder, and representative of **BeAnotherLab** - Art and transdisciplinary research; project management and consultancy for academic and creative projects. Performances, lectures and presentations in over 30 countries around the world. Collaborations with institutions such as the Massachusetts Institute of Technology, Virginia Commonwealth University, University of Zurich, Universidad Nacional Autónoma de México, Université Paris Descartes, between many others.
- 2016-2017** Founder and director of the **Independent Research Center** (Centro de Estudios Independientes) in Mexico City - platform for promoting exchange between empirical science and society in general. Organization of symposia, seminars and similar academic and outreach activities.
- 2010 - 2017** Freelance interactive and sound design for commercial clients, Mexico.

Selected teaching/supervision/curriculum development

- 2017-** Supervision of Master and Bachelor students, Department of Psychology, University of Zurich, Switzerland.
- 2020** "Body representations" course for the doctoral school of the Neuroscience Center Zurich.
- 2018-2020** Block course in biology "Experimental human studies", University of Zurich, Switzerland.
- 2018** Guest lecturer, ZHdK, Zürich, Switzerland. Course *Ecological perception, embodiment and behavioral change in immersive design*.
- 2017** Guest lecturer, Virginia Commonwealth University, Virginia, USA. Departments of Sculpture and Dance.
- 2016** Guest lecturer, CEDIM (The School of Design, Monterrey), Monterrey, Mexico. Department of Digital Arts.
- 2014-2016** Adjunct lecturer in the Psychology and Interactive Design departments Universidad Iberoamericana, Mexico City. In charge of the courses of *Language and Thought* (Psychology) and *User Experience* (Interactive design).
- 2014-2015** Lecturer/Adjunct professor in the Digital Fabrication and Architecture Masters Degree, Universidad Anáhuac, Mexico City. In charge of the course *Intelligent environments and spaces*.
- 2013-2014** Technical commission and curriculum design for the Bachelor of Music in the Autonomous University of the State of Morelos, Mexico. In charge of transdisciplinary studies.
- 2013** Lecturer/Adjunct professor of *Interactive Multimedia for the Arts* - Universidad Autónoma Metropolitana, Mexico City.
- 2012-2020** Lectures, panels and workshops in several academic, cultural and social institutions around the globe, including the Art Culture and Technology program at MIT (Cambridge, USA); The New

Museum (New York, USA) the Contemporary Art Museum of Barcelona (MACBA; Barcelona, Spain), United Nations Conference on Peace and Security (London, UK); Contemporary Art Center (Quito, Ecuador), between tens of others.

Selected recent presentations, workshops and public speaking

- 2021** *Post-hierarchy: strategies of living and working collectively* - [Collective Practices, Acud Macht Neu](#) Germany. Panelist.
- 2020** *Encounters in affective space, narratives for a future in resistance* - Inmersiva festival, Mexico. Moderator.
- Birdsongs of a hyperorganism* - [Collective Practices, Acud Macht Neu](#), Germany. Speaker.
- Enhancing climate change communication with virtual reality* - Sustainability week, Zurich, Switzerland. Speaker.
- 2019** Summer Academy of the Swiss Study Foundation “The body in mind: self-consciousness and embodied cognition”, Switzerland.
- Science Slam* - 4th Congress of the Swiss Federation of Neuro-societies, Switzerland. Speaker.
- Embodied storytelling through immersive media* - ZHdK, CAS Design Technologies, Switzerland. Speaker.
- Embodiment with communities in conflict* - UN conference on AI, Peace and Security, Alan Turing Institute, UK. Speaker.
- “Bodily self-consciousness. Clinical observations, the experimental approach, and some hands-on experiences”*. *The Science of Consciousness conference. Interlaken, Switzerland.*
- The malleable self: transforming bodily self consciousness through multisensory stimulation* - Mind Academy, Germany.
- 2018** *Somos soma, sujeto, cuerpo y otredad* (We are ‘soma’, subject, body and otherness) - Inmersiva festival, Mexico. Speaker.
- Plasticity of the acoustic self: voice, vibration and internal bodily sounds for studying and manipulating the self* - Virtually ourselves, University of Copenhagen
- Ginebra*
- 2017** *Embodied Storytelling* - Expanding Immersive Design, ZHdK, Switzerland. Speaker.
- “Embodied cognition and empathy* - Centro for Digital Culture, Mexico. Speaker.
- “From the eyes of another: reflections on empathy and embodiment”* - Ludicious game festival, Switzerland. Speaker.
- “Global Dialogues: Migrants and Refugees”* - Argentinean Culture Ministry, Argentina. Speaker

Relevant artistic works

- 2012-** [The Machine to Be Another](#), in collaboration with BeAnotherLab. International presentations around the globe, including the Center for Contemporary Culture, Barcelona; ZKM Karlsruhe; UN General Assembly, between many others.
- 2016-** [Library of Ourselves](#), in collaboration with BeAnotherLab. International presentations around the globe, including the Kunsthalle Zürich, Locarno Film Festival, Ars Electronica, between others.
- 2020** [Birdsongs of a Hyperorganism](#), Live Cinema work in collaboration with Ary Ehrenberg. Collective Practices, Acud Macht Neu, Berlin.
- 2020** [Between](#), video essay commissioned by Ars Electronica, in collaboration with BeAnotherLab. Ars Electronica Festival, 2020.
- 2016-2017** [Fonosoma](#), artist book and series of works. Presented in *Creación en Movimiento* and *Jóvenes Creadores*, Mexico.

- 2015** [One face: a thousand shared stares](#); digital image.
- 2014** *The Victory Over the Sun*, interplanetary coordinate mappings for *Alan Poma's* opera; El Eco Museum, Mexico City.
- 2013** The plasticity of language, a listener in transit. Developed during residency at the Tsonami art Festival in Valparaiso, Chile.
- 2013** *Playing with ants and other insects*. Installation in collaboration with Kuai Shen. Festival Transitio_MX 05, Mexico.
- 2013** [Qualia](#), installation in collaboration with Paul Rosero. Centro de Arte Contemporáneo de Quito, Quito, Ecuador.
- 2013** *Audiopoiesis*, in collaboration with Paúl Rosero. Presentations include the Venice Architecture Biennial.
- 2012-13** [Liquid Identity](#), Live Cinema work in collaboration with Ary Ehrenberg. Presentations in Mexico, the UK and Spain.
- 2012** [Aquele Abraço](#), interactive installation. Presentations in Spain and Mexico.

[Financial support, awards, residencies, and relevant recognition](#)

- 2016-20** Artist (collective) in residence (with BeAnotherLab), Hangar.org, Spain.
- 2019** Swiss Federation of Neuro-Societies, Science Slam winner, Switzerland.
- 2017** [STARTS Award, Ars Electronica](#), Honorary Mention (with BeAnotherLab), Austria.
- 2016-17** National Creators Program, National Fund for Culture and Arts, Mexico.
- 2016** European Youth Award: Know award (with BeAnotherLab), E.U.
- 2016** European Social Innovation Competition (with BeAnotherLab), E.U.
- 2015** MindCET hackathon award, (with BeAnotherLab), Israel.
- 2015** NICE Award (BeAnotherLab), European Network for Innovations in Culture, Germany.
- 2015** Artist in residence at Art Port, Israel (with BeAnotherLab)
- 2015** Award for teaching excellence, Universidad Anáhuac México Norte, Mexico.
- 2014** [Prix Ars Electronica](#), Honorary Mention (with BeAnotherLab), Austria.
- 2014** Laval-virtual; Learning, Sciences and Humanities Award (with BeAnotherLab), France.
- 2013** Shortlisted for best music for Lara-Camila (dir: Hannes Andersson), Mumbai Shorts International Film Festival.
- 2013** Tsonami artist in residence, Chile.
- 2011-12** Scholarship for studying abroad FONCA/CONACyT; Mexico.
- 2011-12** Scholarship for non-EU students, Universitat Pompeu Fabra, Spain.
- 2010** "John Bavicchi" Composition award, Boston, USA.
- 2008 - 2010** Berklee International Grant, Outstanding Scholar Award & Berklee Achievement-based Scholarship; all in Boston, USA.
- 2006-08** TELMEX scholarship holder, México.

Publications

In peer reviewed journals

- Roel Lesur, M., Weijs, M., Nguyen, T.D., Lenggenhager, B. (2021). Staying in touch with our bodies: stronger sense of ownership during self- compared to other touch despite temporal mismatches. *Cognition* (in press)
- Weijs, M., Roel Lesur, M., Lenggenhager, B. (2020). Keeping up with ourselves: Multimodal processes underlying body ownership across the lifespan. *Cortex* (Accepted preregistered report), <https://osf.io/vnypz>
- Roel Lesur, M., Lyn, S., & Lenggenhager, B. (2020). How Does Embodying a Transgender Narrative Influence Social Bias? An Explorative Study in an Artistic Context. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.01861>
- Roel Lesur, M., Aicher, H., Delplanque, S., & Lenggenhager, B. (2020). Being Short, Sweet, and Sour: Congruent Visuo-Olfactory Stimulation Enhances Illusory Embodiment. *Perception*, 49(6), 693-696. <https://doi.org/10.1177/0301006620928669>
- Roel Lesur, M., Weijs, M. L., Simon, C., Kannape, O. A., & Lenggenhager, B. (2020). Psychometrics of Disembodiment and Its Differential Modulation by Visuomotor and Visuotactile Mismatches. *iScience*, 23(3), 100901. <https://doi.org/10.1016/j.isci.2020.100901>
- Thür, C., Roel Lesur, M., Bockisch, C. J., Lopez, C., & Lenggenhager, B. (2019). The Tilted Self: Visuo-Graviceptive Mismatch in the Full-Body Illusion. *Frontiers in Neurology*, 10. <https://doi.org/10.3389/fneur.2019.00436>
- Roel Lesur, M., Gaebler, M., Bertrand, P., & Lenggenhager, B. (2018). On the components and future experimental setups of bodily illusions/aliefs. *Constructivist Foundations*, 14(1), 111-113.
- Roel Lesur, M., Gaebler, M., Bertrand, P., & Lenggenhager, B. (2018). The Plasticity of the Bodily Self: Head Movements in Bodily Illusions and Their Relation to Gallagher's Body Image and Body Schema. *Constructivist Foundations*, 14(1), 94-105.
- Oliveira, E. C. D., Bertrand, P., Lesur, M. E. R., Palomo, P., Demarzo, M., Cebolla, A., Baños, R., & Tori, R. (2016). Virtual Body Swap: A New Feasible Tool to Be Explored in Health and Education. 2016 XVIII Symposium on Virtual and Augmented Reality (SVR), 81-89. IEEE. <https://doi.org/10.1109/SVR.2016.23>

Technology journals

- Roel Lesur, M. E. (2014). Interfacing Csound and Unity: Mapping visual and binaural 3D coordinates in virtual space. *Csound Journal*. 19:1
- Roel Lesur, M. E., Lelo de Larrea, S. (2014). Example Systems and applications for research and rehabilitation in the cognitive sciences. *Csound Journal*. 19:1

Preprints

- Ho, J., Krummenacher, P., Roel Lesur, M., & Lenggenhager, B. (2020). Real Bodies Not Required? Placebo Analgesia and Pain Perception in Immersive Virtual and Augmented Reality. <https://doi.org/10.1101/2020.12.18.423276>, currently under review in the *Journal of Pain*
- Stäger, L., Roel Lesur, M., & Lenggenhager, B. (2020). What am I drinking? Vision modulates taste of drinks, but flavour does not alter color perception. <https://doi.org/10.31234/osf.io/9mkf4>, currently under review in *Frontiers of Psychology*
- Roel Lesur, M., Bolt, E., & Lenggenhager, B. (2020). The monologue of the double: Allocentric reduplication of the own voice alters bodily self perception. *BioRxiv*, 2020.08.11.246397. <https://doi.org/10.1101/2020.08.11.246397>, currently under review in *Consciousness and Cognition*

Artistic research

- Roel Lesur, M. (2020, June 7). *The artifice of silence*. Medium. <https://medium.com/@marteroel/the-artifice-of-silence-ea70df311c8>
- Roel Lesur, M. (2017). *Fonosoma*. Centro de Estudios Independientes, Ciudad de México.
- Roel Lesur, M. (2013). *Auditory Space and Interactivity*; in *From Light to Light*. Rosero Contreras, P. (Editor). Ministerio de Cultura de Ecuador.