**Robin GUILLARD**

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**Mail :** [**robin.guillard@gmail.com**](mailto:robin.guillard@gmail.com)

**Nationality : French**

*Neuroscientist and Entrepreneur – Expertise in Sleep and Tinnitus*

ACADEMIC BACKGROUND

STANFORD UNIVERSITY (MIGNOT LAB), USA (Sept 2025 – Present)

* Post-doctorate on circadian phase and sleep homeostasis prediction from large-scale blood proteomics.

PASTEUR INSTUTE (RECONNECT INSTITUTE), FRANCE (Jan 2025 – Aug 2025)

* Post-doctorate academic affiliation to conduct projects on auditory neuroscience and sleep.

UNIVERSITY GRENOBLE ALPES & UNIVERSITY OF MONTREAL, CANADA (Juil 2024 – Dec 2024)

* Post-doctorate in neuroscience at the Gipsa-Lab in collaboration with the Montreal School of Audiology to analyze autonomic and brain activity changes induced by modulation of tinnitus following naps.

**UNIVERSITY OF CANTERBURY, NEW ZEALAND (Oct 2023 – Jan 2024)**

* Visiting scholar during PhD -- research collaboration on the detection of sleep spindles by machine learning algorithms, in order to test their characteristics in tinnitus patients reporting tinnitus modulations by sleep.

UNIVERSITY OF GRENOBLE ALPES (Jul 2021 – Jun 2024) -- PhD

* PhD at Gipsa-Lab on the interactions between tinnitus and sleep. Discovered that sleep apnea could modulate tinnitus.

CLAUDE BERNARD LYON 1 UNIVERSITY (Oct 2022 – Jun 2023)

* Inter-university Diploma (DIU) in Audiology and Medical Otology – Specialized research training in audiology and vestibule, enabling the practice of medical audiology examinations.

PIERRE AND MARIE CURIE UNIVERSITY (Sept 2017 – Jun 2019) -- MSc

* Master 2 BIP Specialization in “Behavioral Neurosciences.”

PARIS SORBONNE UNIVERSITY (Sept 2017 – Jun 2019) -- MSc

* Master 2 entrepreneur student -- pépite.

UNIVERSITY OF BERKELEY, CALIFORNIA (Sept 2016 – Dec 2016)

* Immersion semester in the “Learn2Launch” entrepreneurship program
* Student project on the design of next-generation in-ear EEG electrodes.
* Creation of a real-time brain-machine interface communicating with a virtual reality universe.

ECOLE POLYTECHNIQUE (Sept 2013 – Aug 2017) -- MSc

* Master 2 - Specialization in “Technological Innovation and Entrepreneurship,” applied to mechanics and computer science.

PREPA PT\* JEAN-BAPTISTE SAY (Sept 2011 – Jun 2013)

* Specialization in physics and engineering sciences with a major in engineering science.

Work EXPERIENCE

**CEO, ROBIN GUILLARD EIRL (Apr 2020 – Present)**

* Responsible for clinical tests and regulatory positioning of the medical device.
* Administrative and financial manager.

**CEO AND FOUNDER OF SIOPI (oct 2020 – Present)**

* Responsible for health regulatory affairs and personal data protection.
* Strategic and business development manager.
* Administrative and financial manager.

**RESEARCH ENGINEER, PERCEPTUAL SYSTEMS LAB, ECOLE NORMALE SUPERIEURE ULM (Jul 2019 – Dec 2019)**

* Responsible and coordinator of a pilot clinical study testing a nocturnal sound therapy under Pr Daniel Pressnitzer supervision

**EEG SIGNAL ANALYSIS INTERN, CLINICAL NEUROFEEDBACK STUDY, GIPSA LAB (Jan 2019 – Jun 2019)**

* Development of an EEG signal denoising algorithm pipeline, applying Riemannian geometry techniques.
* Application of the algorithm pipeline for the analysis of 2800 EEG recordings in the Zeta study.

**CEO AND CO-FOUNDER OF ZETA TECHNOLOGIES (Mar 2017 – Feb 2021)**

* Responsible for clinical and regulatory affairs.
* Research partnerships manager.
* Co-responsible for fundraising and finances.

**EEG ELECTRODE DESIGN AND MECHANICAL DESIGN INTERN, EEG ACQUISITION AND MECHANICAL POLE, RYTHM (Mar 2016 – Aug 2016)**

* Design, development, testing, and partner research for the industrialization of dry EEG acquisition electrodes for the DREEM headband.
* Iterative improvement of bone conduction sound technology equipped on the DREEM headband.

COLLABORATIVE PROJECT WITH THE STARTUP WANDERCRAFT (Oct 2015 – Feb 2016)

* Improvement of human hip movement reproduction by an exoskeleton.

**MECHANICAL DESIGN AND PROTOTYPING INTERN AT THE STARTUP TECHNOFOUNDERS (Jun 2015 – Aug 2015)**

* Mechanical design and prototyping of the “Dronewatch” product.

ENTREPRENEURIAL AND MANAGERIAL SKILLS

* Awarded the Lopez-Loreta Scholarship for applied research on tinnitus.
* Writing, monitoring, and submitting 3 clinical research protocols leading to approval by an ethics committee (CPP).
* Positioning and self-certification of a product as a European Class I medical device.
* Major fundraiser to startup projects (Business Angels and various grants, excluding Lopez-Loreta scholarship).
* Management of a startup with 7 people, including 3 under direct and daily supervision.

CLINICAL AND FUNDAMENTAL RESEARCH skills

* Coordinator of 7 clinical studies (notably: NCT05467059, NCT03773926): interventional clinical study on neurofeedback as a treatment for tinnitus, then interventional clinical study on nocturnal sound stimulation to reduce tinnitus, then 3 observational studies on sleep-induced modulations of tinnitus.
* Oral presentations and posters at conferences: 5 oral presentations during the Francophone Association of Multidisciplinary Tinnitus Teams conferences (2019-2023), 2 oral presentations and 1 poster at the Tinnitus Research Initiative conferences in 2022 and 2023, 2 posters at the Sleep 2023 Congress (Indianapolis), 2 posters at French Sleep Congress 2024 (Lille), 1 poster at Wolrd Audiology Congress 2024 (Paris).
* Supervisor of 2 memoires (master degree): study of the neural correlates of tinnitus patients by transient inhibition of their tinnitus (“residual inhibition”) with LNSC in Marseille, and study of facial muscle activations associated with somatosensory modulations of tinnitus with LEA Audika.

LANGUAGE SKILLS

* English, C1 (conversational)
* Spanish, B2 (fluent)
* Italian (beginner)

IT AND MECHANICAL SKILLS

* Machine learning : clustering, distance learning, EEG Riemannian classification, sleep spindle detection through neural network
* Mentor for Ecole Polytechnique sleep data science hackathon program
* Proficient in programming languages: Python, R, Matlab
* Programming experience in Java, HTML, CSS, PHP, MySQL, JavaScript
* Smartphone healthcare applications (and associated regulatory constraints in Europe and US)
* Advanced biostatistics
* Advanced user of SolidWorks and Sketchup, designer of complex mechanical systems
* Multi-modal prototyping: 3D printing of different materials, laser cutting, molding

References available upon request