



● **WORK EXPERIENCE**

09/02/2023 Lyon, France

PHD - NEUROSCIENCE ISC MARC JEANNEROD UMR 5229 - CNRS

"Goal representations in the primary and the premotor cortex of macaque monkey during a tool use learning task" under the supervision of Dr. PF Ferrari and Dr. J Bonaiuto

2018 – 2019 Lyon, France

ASSISTANT TECHNICIAN ISC MARC JEANNEROD UMR 5229 - CNRS

Under the supervision of Dr. PF Ferrari

2016 – 2018 Strasbourg, France

INVESTIGATOR IN NATIONAL RESEARCH PROJECT OF HARM REDUCTION « COSINUS » INSERM

Impact of supervised injection site on the health of drug users

01/2016 – 06/2016 Montreal, Canada

RESEARCH TRAINEE DOUGLAS INSTITUT, MCGILL UNIVERSITY

"Consequences of stress on morphine protracted abstinence in mice model" under the supervision of Dr. B Kieffer

07/2013 – 08/2013 Strasbourg, France

RESEARCH TRAINEE IPHC - CNRS

"Collective choice making in horse group" under supervision of Dr. O Petit

01/2015 – 05/2015 Strasbourg, France

RESEARCH TRAINEE INSERM U1114

"Temporal and contrast sensitivity deficits in young cannabis users" under supervision of Dr. L Lalanne

● **EDUCATION AND TRAINING**

2019 – 2023

PHD IN NEUROSCIENCE Université Claude Bernard Lyon 1, France

2013 – 2016

MASTER DEGREE IN CELLULAR AND INTEGRATED NEUROSCIENCES Université de Strasbourg, France

2011 – 2013

BACHELOR DEGREE IN PHYSIOLOGY AND CELLULAR BIOLOGY Université de Strasbourg, France

2019

CERTIFICATE - TRAINING ON SURGICAL TECHNIQUES APPLIED TO ANIMAL EXPERIMENTATION WASP Science, Lyon, France

2020

CERTIFICATE - TRAINING ON ANIMAL EXPERIMENTATION ON NON HUMAN PRIMATE - LEVEL 1
Université Aix-Marseille - CNRS, France

LANGUAGE SKILLS

Mother tongue(s): **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Experience in programming with Matlab, familiar with R | Familiar with computational modeling (hidden Markov models) | Strong experience in macaque monkey training on complex behavioral tasks | Experience in macaque monkey surgery and care (enrichment, blood sample ...)

ADDITIONAL INFORMATION

CONFERENCES AND SEMINARS

2022 – Paris, France

Poster - Federation of European neuroscience societies Kirchherr S, Mildiner Moraga S, Coudé G, Bimbi M, Ferrari PF, Aarts E, Bonaiuto J.

A Bayesian hidden Markov model for tracking long-term dynamic changes in neuronal population activity of the motor cortex of monkeys chronic multi-electrode arrays

2021 – Saint-Etienne, France

Poster - Société francophone de primatologie Kirchherr S, Coudé G, Bonaiuto J, Ferrari PF. L'expérience motrice de l'utilisation d'outil module les réponses visuomotrices lors de l'observation d'action avec l'outil dans le cortex moteur et prémoteur du macaque.

Gustav-Stresemann-Institut, Bad Bevensen, Germany

Poster - Summer school - primate cognitive neurosciences (DPZ) Kirchherr S, Coudé G, Bonaiuto J, Ferrari PF. Effects of novel sensorimotor skill acquisition on motor and visual properties of premotor and motor cortical activity

2017 – Strasbourg, France

Poster - Neurex - Neuroscience Upper Rhine network Lalanne L, Roux P, Kirchherr S, Carole Chauvin, Vilotitch A, Kervran C, Denis C, Briand-Madrid L, Carrieri P, Auriacombe M, Jauffret-Roustide M and the Cosinus group. Characteristics of current and potential clients of safer injecting facilities (SIF) among people who injected drugs (PWID) in France - The COSINUS cohort study

HONOURS AND AWARDS

2021

Funding - "Fin de thèse" – Fondation pour la Recherche Médicale (38k€, 1 year salary)

2020

Young researcher award – Institut des sciences cognitives Marc Jeannerod

2019

Travel grant - Summer school - primate cognitive neurosciences – Deutsches Primatenzentrum

2019

Travel Grant - workshop – Evidence based training protocols for large laboratory animals – COST European Cooperation In Science & technology

COMMUNICATION AND INTERPERSONAL SKILLS

Teaching fellow - Statistic Seminar (instructor: G Plancher) Bachelor degree in psychology (2018 & 2019), University Lyon 2, France

Teaching fellow - Sensory perception (instructor: P Colliot) Bachelor degree in psychology (2019), University Lyon 2, France

Teaching fellow - Humanities seminar (instructor: N Lechopier) First year of medical studies (PACES) (2019), University Lyon 1, France

PUBLICATIONS

[Preprint - Kirchherr S, Mildiner Moraga S, Coudé G, Bimbi M, Ferrari PF, Aarts E, Bonaiuto J. \(2022\) Bayesian multilevel hidden Markov models identify stable state dynamics in longitudinal recordings from macaque primary motor cortex.](#)

- 2022

bioRxiv 2022.10.17.512024; doi

[Marie Jauffret-Roustide, Marc Auriacombe, Sébastien de Dinechin, Laélia Briand Madrid, Cécile Donadille, et al.. L'évaluation des salles de consommation à moindre risque en santé publique : la cohorte COSINUS \(cohorte pour l'évaluation des facteurs structurels et individuels de l'usage de drogues\). Politiques des drogues, 2022, 2, pp.34-42.](#)

- 2022

(hal-03621559)

[Auriacombe M, Roux P, Briand Madrid L and the Cosinus study group., et al Impact of drug consumption rooms on risk practices and access to care in people who inject drugs in France: the COSINUS prospective cohort study protocol](#)

- 2019

BMJ Open 2019;9:e023683. doi: 10.1136/bmjopen-2018-023683

[Lalanne L, Ferrand-Devouge E, Kirchherr S, Rauch L, Koning E, Speeg C, Laprevote V, Giersch A \(2017\) Impaired contrast sensitivity at low spatial frequency in cannabis users with early onset.](#)

- 2017

Eur Neuropsychopharmacol, Dec;27(12):1289-1297.