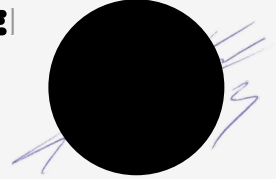


# Sébastien Kirchherr

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11/12/2023

## WORK EXPERIENCE

15/05/2023 – CURRENT Rome, Italy

**POST-DOC RESEARCHER** LA SAPIENZA UNIVERSITY

"The role of reward in dynamic decision making" under the supervision of Dr. S Ferraina

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

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2019

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

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2020

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

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## ● **LANGUAGE SKILLS**

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Mother tongue(s): **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2

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

## ● **DIGITAL SKILLS**

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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**

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### **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**

[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.](#)

– 2023

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European Journal of Neuroscience, 58(3), 2787–2806.

[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

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(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

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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

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