

CURRICULUM VITAE

PERSONAL INFORMATION

Xin, Lijing

Research ID: [J-7572-2018](https://people.epfl.ch/lijing.xin?lang=en)

Date of birth: 22.09.1980

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• EDUCATION

- 2005 – 2010 Ph.D. Physics, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
- 2002 – 2005 M.S. Physics, East China Normal University (ECNU), Shanghai, China
Ecole Normale Supérieure (ENS, France) - ECNU Joint M. S. degree in Physics
- 1998 – 2002 B.S. Physics, East China Normal University (ECNU), Shanghai, China

• POSITIONS

- 2023/10 – Assistant Professor
School of Basic Sciences, EPFL, Switzerland
- 2015 – 2023 Research Staff Scientist
Center for Biomedical Imaging (CIBM), EPFL, Switzerland
- 2013 – 2015 Scientific Collaborator
Department of Psychiatry, Lausanne University Hospital, Lausanne, Switzerland
- 2010 – 2013 Post-doctoral Researcher
Department of Radiology, University of Lausanne, Lausanne, Switzerland

• HONORS & AWARDS

- 2024 ISMRM (International Society for Magnetic Resonance in Medicine) Summa Cum Laude Award (Mark Widmaier)
- 2024 ISMRM Annual Meeting Program Committee (AMPC) Highlights: 1% of all submitted abstracts (6000+) to the meeting
- 2023 SNSF/ERC Consolidator grant, 1'749'478 CHF (Lijing Xin)
- 2023 2nd place poster award of Swiss Society of Biological Psychiatry annual meeting (Lijing Xin)
- 2023 ThinkSwiss Research Scholarship (Gianna Nossa)
- 2023 3rd place award in ISMRM (International Society for Magnetic Resonance in Medicine) Psychiatric MRS&MRI Study Group (Zirun Wang, master project)
- 2021 ISMRM Magna Cum Laude Award (Mark Widmaier)
- 2021 ISMRM Magna Cum Laude Award (Songi Lim)
- 2020 Chinese Scholarship Council fellowship (Yang Wen)
- 2014 ISMRM Summa Cum Laude Award (Lijing Xin)
- 2013 ISMRM Magna Cum Laude Award (Eulalia Serés Roig)
- 2012 ISMRM Magna Cum Laude Award (Lijing Xin)
- 2007 1st place poster award, ISMRM Annual Meeting (Lijing Xin)

• TEACHING ACTIVITIES

- 2023 – present [CIBM translational MR neuroimaging & spectroscopy](#), spring semester.
- 2010 – present Lecture for the PhD course 'Advanced biomedical imaging methods and instrumentation', EPFL, Switzerland
- 2021 Invited educational lecture: The European Society for Magnetic Resonance in Medicine and

Biology Annual Meeting (ESMRMB), “Probing cerebral metabolism in vivo: insights from multinuclear magnetic resonance spectroscopy” in session “Off the beaten track - opening windows into metabolism”

- 2020 Two invited educational lectures: ISMRM (International Society for Magnetic Resonance in Medicine) Annual Meeting, “MRS: Beyond Water & Protons, Coupling & Localization” in session “Educational Course, MR Physics for Scientists I”; “Importance of Macromolecules for Quantification of Full Neurochemical Profile & GABA Editing” in session “Advanced Spectroscopy”

• ORGANISATION OF SCIENTIFIC MEETINGS

- 2024 Co-organizer, ISMRM endorsed workshop “MR for Psychiatry”, Chengdu, China
- 2024 Co-organizer, ISMRM VIRTUAL STUDY GROUP MEETING: "Advancing Spectroscopy with Ultra-High Field MRI: Hardware, Sequences, and Applications"
- 2024 Co-organizer, ISMRM VIRTUAL STUDY GROUP MEETING: “Advanced MR in Psychiatry”
- 2024 Sub-Chair of MRS Technologies (Hyperpolarization & Multinuclear), European society for molecular imaging
- 2023 Co-organizer, business meeting of ISMRM Psychiatric MRS&MRI study group, Toronto, Canada
- 2022 Co-organizer, symposia “Mitochondrial Dysregulation in Psychotic Disorders”, the Schizophrenia International Research Society Annual Congress, Florence, Italy
- 2022 Member of the local organization committee, MRS Workshop 2022 “Overcoming the Barriers to Clinical Use”, Lausanne, Switzerland

• REVIEWING ACTIVITIES

- 2024 Grant Reviewer : Israel's Ministry of Innovation, Science and Technology, Israel
- 2023 Grant Reviewer : National Science Centre Poland, Poland
- 2020 Grant Reviewer: Agency of Health Quality and Assessment of Catalonia, Spain
- 2015 Grant Reviewer: Fondation pour la Recherche Médicale, France
- 2023 – present Editorial Board, Quantitative Imaging in Medicine and Surgery
- 2022 – present Review Editor, Frontiers in Neuroscience: Brain Imaging Methods; Frontiers in Physics: Medical Physics and Imaging
- 2015 – 2024 Conference Abstract Reviewer for ISMRM Annual Meeting.
- 2011 – present [Journal Reviewer](#), Nature Communications, PNAS, Magnetic Resonance in Medicine, NMR in Biomedicine, Journal of Neurochemistry, Progress in Neuro-Psychopharmacology & Biological Psychiatry, The International Journal of Neuropsychopharmacology, Brain and Behavior, Neuroscience and Biobehavioral Reviews, Journal of Magnetic Resonance, Neurobiology of Aging, Frontiers in Aging Neuroscience, European Journal of Neuroscience, etc.

• MEMBERSHIPS/LEADERSHIP & SCIENTIFIC ACTIVITIES

- 2024 Chair, “Psychiatric MRI&MRS Study Group”, ISMRM
- 2023 Vice-chair, “Psychiatric MRI&MRS Study Group”, ISMRM
- 2022 Secretary, “Psychiatric MRI&MRS Study Group”, ISMRM
- 2022 Doctoral Jury Member: Renata Porciuncula Baptista, Université Paris-Saclay, France
- 2010 – present Member, International Society for Magnetic Resonance in Medicine (ISMRM)
- 2010 – 2017 Member, European Society for Magnetic Resonance in Medicine and Biology (ESMRMB)
- 2022 Doctoral Jury Member: Renata Porciuncula Baptista, Université Paris-Saclay, France

2019, 2022-24 Moderator: Annual meeting of ISMRM
2011 Moderator: Annual meeting of ESMRMB

• **INVITED TALKS**

2024 Talk in “Wellcome Trust Collaborative meeting on Inhibitory Brain Circuits”, Sept, Cambridge, UK

2024 Multi-nuclear Magnetic Resonance Spectroscopy: Technical Advances and Applications in Psychiatry, ISMRM endorsed workshop “MR for Psychiatry”, July, Chengdu, China

2024 Probing Brain Metabolism by Multi-nuclear Magnetic Resonance Spectroscopy: Technical Advances and Applications at 7T, Campus Biotech, Geneva, May, Switzerland

2024 Multi-nuclear magnetic resonance spectroscopy for psychiatry. Mclean Hospital, Harvard Medical School, Feb, Boston, USA

2023 Bridging neurobiology and clinical research: the value of in vivo metabolic imaging by multi-nuclear magnetic resonance spectroscopy. Department of Nuclear Medicine, Inselspital University Hospital Bern, Dec, Bern, Switzerland

2023 Bridging neurobiology and clinical research: the value of in vivo metabolic imaging by multi-nuclear magnetic resonance spectroscopy. Department of Radiology, The Second Affiliated Hospital, Shantou University Medical College, July, Shantou, China

2023 In Vivo ³¹P MRS in The Human Brain: Frontiers and Innovations, Spinoza Centre for Neuroimaging, Netherlands

2023 Bridging neurobiology and clinical research: the value of in vivo metabolic imaging by multi-nuclear magnetic resonance spectroscopy, Center for Psychiatric Neuroscience, Lausanne University Hospital. Lausanne

2021 Probing cerebral metabolism in vivo: insights from multinuclear magnetic resonance spectroscopy, Teaching lecture, ESMRMB, online.

2020 Importance of macromolecules for quantification of full neurochemical profile & GABA editing, Weekend Course, Annual Meeting of ISMRM.

2020 MRS: Beyond Water & Protons, Coupling & Localization, Weekend Course, Annual Meeting of ISMRM.

2019 Probing brain metabolism in vivo: insights from multinuclear magnetic resonance spectroscopy, CIBM breakfast & Science Seminar.

2014 Short-TE ¹H magnetic resonance spectroscopy (MRS) study of early phase psychosis, Geneva University Hospital, Geneva

2013 ¹H-MR Spectroscopy of the human brain: What is now possible? What is the CIBM doing? Centre Universitaire Romand de Médecine Légale, Lausanne.

2012 Detection of Neurochemical Information by MRS at 7T, Geneva University Hospital, Geneva.