



Abbas Khojasteh

Postdoctoral Scholar, Neurology and Neurological Sciences

Bio

BIO

His current research at Stanford is directed towards applying early detection strategies to the treatment of brain tumors and reversing the damaging side effects of treatment-related brain injury. He received his Ph.D from Zurich University and completed postdoctoral neurosurgery training at Duke University where he was studying experimental models of neuro modulation of glycemia and immune system in infectious diseases and inflammatory disorders. He evaluated the Electrical modulation efficacy in ongoing inflammation and hyperglycemia under different conditions, such as somatotomy organizations, disease states and intensities (electrical current/potential); and he recognized different neuro fibers controlling inflammation and glycemia networks. He pushed further his idea to find out whether regulation of glycemia and inflammation by electricity is dependent on central processing and to discover a new mechanism controlling insulin production. For this novel study, he performed Spinal Cord surgery. Also, as a bioengineer, his previous research focused on drug discovery, cell biology and cell cultivation techniques for optimization of growth and bioengineering parameters in bioreactors. He has experience in expression of therapeutic antibodies and production of secondary metabolites in mammalian and plant cell cultivations for therapeutics and diagnostics aims.

HONORS AND AWARDS

- Postdoctoral Scholarship, Stanford University, CA (2022)
- Postdoctoral scholarship, Duke University, NC (2021)
- Sarah Borrell fellowship, Princess Hospital, Madrid, Spain (2021)
- Extraordinary PhD thesis, University of Barcelona, Spain (2020)
- Extraordinary Researcher, University of Barcelona, Spain (2020)
- Best Oral Presentation, European Biotechnology Congress (2017)
- Excellent Student, Zurich University, Switzerland (2015)
- Ph.D. scholarship, University of Barcelona, Spain (2015)

PROFESSIONAL EDUCATION

- Postdoc, Stanford University, School of Medicine , Neurosurgery (2022)
- Postdoc, Duke University, School of Medicine , Anesthesiology (2022)
- Fellowship, Princess Hospital, Madrid , Internal Medicine (2021)
- Postdoc, University of Barcelona , Drug Discovery and Cell Cultivation (2021)
- Doctor of Philosophy, Universidad De Barcelona (2019)
- Master of Science, University of Zurich (2015)

STANFORD ADVISORS

- Lawrence Recht, Postdoctoral Faculty Sponsor