

Curriculum Vitae

Personal information

First name / Surname **Alberto Bisco**
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Education and training

2013 – Now

Ph. D. student at the University of Bern
Department of Physiology
Professor Dr. Thomas Nevian Laboratory
Ph. D. topic: "Plasticity of inhibitory synaptic transmission in neuropathic pain"

2011 – 2013

Sanitary Biology Master degree, University of Padova, IT
Thesis title: "*Live Imaging of Synaptic Proteins*"
Supervisor: Dr. Rigoni M. (Biomedical Science Department, University of Padova, IT)
Molecular Biology, Cell Biology, Biochemistry, Microbiology, Immunology, Genetics, Genetic Engineering, Anatomy, Physiology

2008 - 2011

Molecular Biology Bachelor degree, University of Padova, IT
Thesis title: "*Generation of a chimeric fluorescent protein to investigate the Nerve Growth Factor cell signaling*"
Supervisor: Dr. Mongillo M. (Venetian Institute of Molecular Medicine, University of Padova, IT)
Molecular Biology, Cell Biology, Microbiology, Genetic, Engineering

Research experience

2013 - Now

Ph. D. student in the group of Prof. Dr. Thomas Nevian at the Department of Physiology of the University of Bern, CH.

Ph. D. topic: "Plasticity of inhibitory synaptic transmission in neuropathic pain"

Project Synopsis: My project focuses on the investigation of important aspect of the Anterior Cingulate Cortex (ACC) neuronal plasticity in a mouse model of neuropathic pain induced by Chronic Constriction Injury (CCI) of the sciatic nerve.

Poster presentation at the Swiss Ph.D. student annual symposium. Poster title: "*Network excitability in layer 5 ACC is altered after Chronic Constriction Injury*"

2012 – 2013

Master thesis work: Nine months Erasmus exchange student in the group of Prof. Holtmaat A. at the Département des Neurosciences Fondamentales, University of Geneva, CH.

Master Thesis Title: "Live imaging of synaptic protein"

Professor Anthony Holtmaat's group is studying the structural variations and the plasticity of the dendritic spines after environmental stimulations with long term 2-Photon Laser Microscope imaging.

2011

Bachelor thesis work. Four months lab training at the group of Doctor Mongillo M., Venetian Institute of Molecular Medicine, University of Padova, IT

Bachelor Thesis title: "*Generation of a chimeric fluorescent protein to investigate the Nerve Growth Factor cell signaling*"