Molecular and Cellular Neuroscience; From Molecular Understanding to Diagnosis

Principal investigator(s) and affiliation(s), contact information
Eleanor Coffey, PhD, Research Director, Åbo Akademi University and Vice Director Turku Centre for Biotechnology, University of Turku
Turku, Finland
E-mail: ecoffey@btk.fi

Members of the research group

Doctoral candidates:
Hasan Mohammad, MSc
Prasanna Deshpande, MSc
Patrik Hollos, MSc
Francesca Marchisella, MSc
Artemis Varidaki, MSc
Ye Hong, MSc
Dani Flinkman, MSc

Post-docs:
Veronica Fagerholm, PhD
Sylvia Ortega-Martinez, PhD

Technician:
Susanna Pyökäri

Description of the scientific aims
We study diseases of the central nervous system at four levels: (a) Elucidation of molecular mechanisms underlying psychiatric disorders (particularly depression and schizophrenia) and Parkinson’s disease, (b) develop novel approaches to image depression in vivo (collaboration with Konica Minolta Inc.), (c) develop ex vivo diagnostic assay for diagnosis of Parkinson’s disease in partnership with Roche Inc. (d) in collaboration with Prof. Peter James’s develop mass spectrometric assays for diagnosis and monitoring of Parkinson’s disease. This work is sponsored by Roche Inc.

Selected publications 2010-


