

Neurodegeneration, Parkinson's disease, dementia

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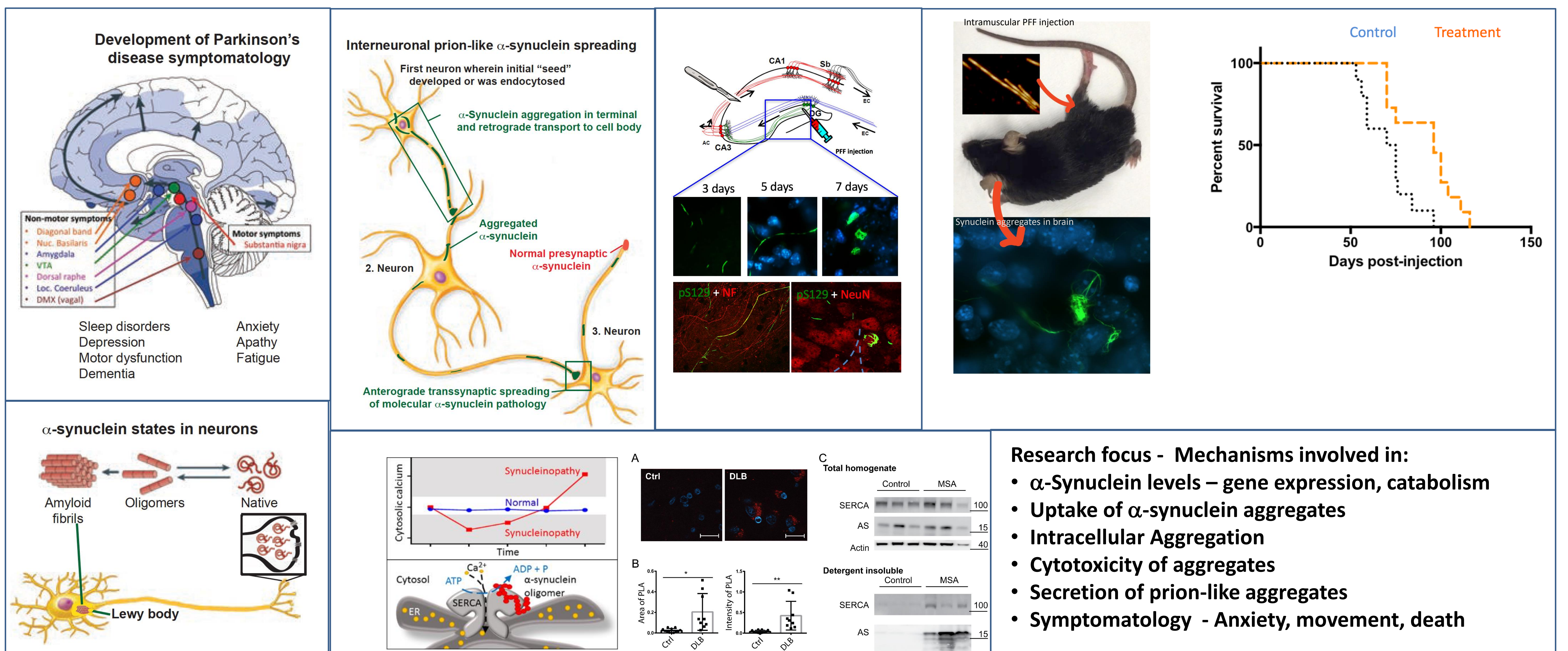
Postdoc, ph.d. Nelson Ferreira

PhD student, Lasse Reimer

PhD student, Emil Gregersen

Technician Golshah Ayoubi

Background



Projects and techniques

- Regulation of α -synuclein levels – gene expression, catabolism. *Cloning, cell culture, qPCR, immunoblotting, fluorescence microscopy*
- Induction of aggregation and generation of disease specific strains. *Protein chemistry, chromatography, cell culture, fluorescence microscopy*
- Calcium dysregulation and its signaling during cellular α -synuclein aggregation. *Calcium imaging and in vivo microscopy, RNASeq, qPCR, gene silencing*
- Cellular excretion of prion-like aggregates. *Cloning, cell culture, qPCR, immunoblotting, microscopy, proteomics*
- Mechanisms involved in spreading of α -synuclein pathology in vitro and in vivo. *Viral transduction, cell & tissue culture, in vivo microscopy, qPCR, immunoblotting, immunohisto- and cytochemistry, live cell microscopy, calcium imaging*
- Basis for symptomatology in models - Anxiety, movement, sleep dysfunctions, death. *Cell culture, immunostaining, microscopy, animal behavior*

Please visit our group <http://dandrite.au.dk/people/group-leaders/jensen-group/> or scan here

