



**Karolinska
Institutet**



"From History of Neuroscience to New Horizons"



Place: **Aula medica**, Karolinska Institutet

Time: **Saturday June 7, 3.30-8.30 pm**

Organizers: Kjell Fuxe and Per Svenningsson

Free of charge

Scientific Programme

Welcome Note

Kjell Fuxe, Stockholm, Sweden

Introduction

Hans-Gustaf Ljunggren, Dean of Research, Karolinska Institutet

On the Nobel Prize. Focus on neuroscience

Tobias Deggell, Nobel Museum, Stockholm

Chair: Arvid Carlsson Co-chair: Lars Olson

Nigro-striatal DA neurons in the world of volume transmission and receptor heteromers. Relevance for treatment of Parkinson's disease

Kjell Fuxe, Stockholm, Sweden

The receptor systems of the striatum in Parkinson's disease studied with molecular imaging

David J. Brooks, London, United Kingdom

Chair: Arvid Carlsson Co-chair: Thomas Perlmann

On the physiology of the nigro-striatal DA neurons, its modulation of striatal neurons and circuits and novel neuroprotective strategies

D. James Surmeier, Chicago, USA

Coffee break + Sandwich

The role of T-type Ca²⁺ channels in essential tremor and Parkinson's disease

Dae Soo Kim, Daejeon, South Korea

Chair: Arvid Carlsson Co-chair: Dag Årslund

5-HT receptor mechanisms in Parkinson's disease. From molecular mechanisms to treatment

Per Svenningsson, Stockholm, Sweden

Neurogenetics and Parkinson's disease

Jan Aasly, Trondheim, Norway

Chair: Arvid Carlsson Co-chair: Per Almqvist

Encapsulated cell therapy in Parkinson's disease

Lars Wahlberg, Providence, USA

Concluding remarks

Arvid Carlsson, Gothenburg, Sweden