Current Issues Clinical Neuroscience 2016

Dates: 17-20 May
Location: David de Wied lecture room (STR. 4.112), Van Peperzeel hall (Q0S 3.01) and Auditorium (Q01.226)
Theme: Stress and Clinical Neuroscience
Capacity: 35-40 students
Coordinators: Marian Joëls, Angela Sarabdjitsingh, Sara Schaafsma, Christiaan Vinkers

Overall lay-out per day:
09.00-10.00 hrs Introductory lecture about the field (by the day coordinator)
10.20-11.20 hrs Two brief lectures by Dutch researchers
11.30-12.15 hrs Plenary speaker, international
12.15-13.00 hrs Q&A session of selected students with speaker, followed by general discussion
13.45-16.15 hrs Students work in groups on afternoon assignments
16.15-17.00 hrs Plenary feedback on assignments

One assignment will be a Masterclass (two parallel sessions), during which 6-8 students per Masterclass present their work and other students attend. The remaining students (20-25) will be divided over the 4 days in groups of 5-6, and read 3-5 papers of the main speaker to prepare questions for the Q&A session. Preparation of the questions by the group will be supervised by the day coordinator and discussed approximately one week in advance of the course.

Day 1: Rhythmic exposure of the brain to corticosteroid hormones in health and disease
(coordinator: Angela Sarabdjitsingh)
Van Peperzeel hall:
09.00-09.10 hrs Welcome (Marian Joëls)
09.10-10.00 hrs Sympathetic system and HPA-axis in health and disease
10.20-10.50 hrs Regional specificity of corticosteroid actions (Onno Meijer)
10.50-11.20 hrs Behavioral deficits in Cushing’s and Addison’s patients (Alberto Perreira)
11.30-12.15 hrs Corticosteroid rhythms and replacement strategies (Stafford Lightman)
12.15-13.00 hrs Q&A session of selected students with speaker, followed by general discussion
David de Wied lecture room:
13.45-16.15 hrs Students work on afternoon assignments (to be announced)
16.15-17.00 hrs Plenary feedback on assignments (debate)

Day 2: Early life stress as risk for psychopathology
(coordinator: Sara Schaafsma)
Van Peperzeel hall:
09.00-10.00 hrs Early life stress in humans and rodents (Sara Schaafsma)
10.20-10.50 hrs Early life stress in rodents: epigenetics and intervention (Aniko Korosi)
10.50-11.20 hrs Early life stress as risk factor in humans: role of epigenetics (Lotte Houtepen)
11.30-12.15 hrs Transgenerational effects of early life stress through epigenetic programming (Isabelle Mansuy)
12.15-13.00 hrs Q&A session of selected students with speaker, followed by general discussion
David de Wied lecture room:
13.45-16.15 hrs Parallel Master classes with Stafford Lightman and Tallie Baram
16.15-17.00 hrs Plenary discussion

Day 3: Stress as provoking factor in episodic neurological disorders
(coordinator: Marian Joëls)
Auditorium Q-building:
09.00-10.00 hrs Stress and electrical activity in the brain (Marian Joëls)
10.20-10.50 hrs Stress and migraine (Else Tolner)
10.50-11.20 hrs Stress and epilepsy in children (Jolien van Campen)
11.30-12.15 hrs  Stress and epilepsy: from clinic to bench (Tallie Baram)
12.15-13.00 hrs  Q&A session of selected students with speaker, followed by general discussion

*David de Wied lecture room:*
13.45-16.15 hrs  Students work on afternoon assignments: the link between clinical and preclinical stress research
16.15-17.00 hrs  Plenary feedback on assignments

**Day 4: From knowledge to treatment**
(coordinator: Christiaan Vinkers)

*David de Wied lecture room:*
09.00-10.00 hrs  Possibilities for new treatment strategies (Christiaan Vinkers)
10.20-10.50 hrs  The ups and downs of drug delivery (Pieter Gaillard)
10.50-11.20 hrs  The hurdles of setting up a company (Ruben Baumgartner)
11.30-12.15 hrs  Mifepristone: from bench to market; a case-study (Joe Belanoff)
12.15-13.00 hrs  Q&A session of selected students with speaker, followed by general discussion
13.45-16.15 hrs  Students work on afternoon assignments: from idea to business plan
16.15-17.00 hrs  Plenary feedback on assignments
17.00+ hrs  Drinks and snacks