

Mechanisms of cellular signal transduction

Monday October 14 2013. Seminar-room A3.3067 Rikshospitalet

I. Receptors, intracellular second messengers and signalling proteins.

- 9.15-10.00: Overview. Finn Olav Levy
- 10.15-11.00: Overview, continued.
- 11.15-12.15: G proteins and G protein-coupled receptors. Kjetil Wessel Andressen.
- 12.15-13.15: Lunch break
- 13.15-14.00: Receptor tyrosine kinases. Thoralf Christoffersen.
- 14.15-15.00: Ligand-gated ion channels. Lars Nilsson.
- 15.15-16.00: Intracellular receptors. Eili Tranheim Kase.

Tuesday October 15 2013. Seminar-room A3.3067 Rikshospitalet

I. Receptors, intracellular second messengers and signalling proteins (continued)

- 9.15-10.00: Receptors signalling by regulated proteolysis: Hedgehog signalling. Jens Henrik Norum
- 10.15-11.15: Cyclic nucleotide signalling. Kurt Krobert
- 11.30-12.15: Phospholipases and role of phospholipids in signaling. Dagny Sandnes
- 12.15-13.15: Lunch break
- 13.15-14.15: Protein kinase C. Michael Leitges.
- 14.00-16.00: Group work

Monday October 28 2013. Seminar-room A3.3067 Rikshospitalet

I. Receptors, intracellular second messengers and signalling proteins (continued)

- 9.00-11.00: Group work and discussion of home assignment.
- 11.15-12.00: Natriuretic peptides. Lise Roman Moltzau
- 12.00-13.00: Lunch break
- 13.00-13.45: Regulation of intracellular calcium. Bill Louch.
- 14.00-14.45: Role of receptor internalization in cellular signalling. Espen Stang.
- 15.00-16.00: FRET technology in cellular signaling. Kjetil Wessel Andressen

Tuesday October 29 2013. Seminar-room A3.3067 Rikshospitalet

II. Cellular signal transduction: Integrated views and examples.

- 9.15-10.00: Regulation of the cell cycle. Heidi Kiil Blomhoff.
- 10.15-11.00: Apoptosis. Heidi Kiil Blomhoff
- 11.15-12.00: Signalling pathways leading to gene regulation. Finn Olav Levy.
- 12.00-13.00: Lunch break
- 13.15-14.00: Toll-like receptor signalling in innate and adaptive immunity. Terje Espevik.
- 14.00-16.00: Group work

Wednesday October 30 2013. Seminar-room A3.3067 Rikshospitalet

II. Cellular signal transduction: Integrated views and examples (continued).

- 9.15-10.00: Signalling in cell proliferation and malignancy. Thoralf Christoffersen
- 10.15-11.00: Signalling mechanisms in learning and memory. Ole Paulsen
- 11.15-12.00: Signalling mechanisms in cardiac muscle. Kurt Krobert
- 12.00-13.00: Lunch break
- 13.00-13.45: Signalling mechanisms in the activation of immune cells. Kjetil Tasken
- 14.00- 16.00: Group work