

## Frontiers in post-genome studies (lectures and grant writing workshop) – 5 ECTS

*Preliminary program 2022*

**Location:** Uppsala BioCenter (room A402 unless otherwise stated)

**NB:** Each lecture encompasses two 45-min presentations separated by 15-min break and is followed by 15-min discussion.

<b>Day</b>	<b>Time</b>	<b>Lecture topic/other item</b>	<b>Speaker</b>
26/09	13:00 – 13:30 13:45 – 16:00	Course introductions <i>Workshop part 1 – Competing for grants, effective communication strategies and career progression</i>	Course organizers Adrian Dauphinee
28/09	13:00 – 15:00 15:00 – 15:15	<i>Inhibitor drug design, computation modelling</i> Discussion	<i>Confirmation pending</i> Students and teachers
30/09	10:00 – 12:00 12:00 – 12:15	<i>Super resolution fluorescence microscopy</i> Discussion	Hans Blom (KTH) Students and teachers
04/10	13:00 – 15:00 15:00 – 15:15	<i>High-throughput screening in early-stage drug discovery</i> Discussion	Stina Berglund (Umeå Univ) Students and teachers
05/10	13:00 – 15:00 15:00 – 15:15	<i>N-terminomics for identifying protease substrates and novel proteoforms</i> Discussion	Kris Gevaert (Ghent Univ) Students and teachers
06/10	15:00 – 17:00 17:00 – 17:15	<i>Intrinsically disordered proteins – A paradigm shift</i> Discussion	Vladimir Uversky (Univ South Florida) Students and teachers

10/10	13:00 – 15:00 15:00 – 15:15	<i>Cryo-EM advances to study the structure of macromolecules</i> Discussion	<i>Confirmation pending</i> Students and teachers
11/10	10:00 – 12:00 12:00 – 12:15	Single cell transcriptomics Discussion	<i>Confirmation pending</i> Students and teachers
13/10	13:00 – 15:00 15:00 – 15:15	<i>An overview of structuromics research</i> Discussion	<i>Confirmation pending</i> Students and teachers
14/10	9:00 – 12:30	Workshop part 2 – Exercises and guidelines for grant writing. Outline for final grant writing assignment.	Course organizers
11/11	Deadline for homework assignment		

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