**Plant Growth and Development, 2021/22**

**LECTURES** in Umeå are at **SLU Umeå, Rönnen**, and will be streamed to Ultuna and Alnarp.

**LITERATURE SEMINARS** (in Umeå) will be at **UPSC / KB.G4.02** (KB4C10)

All **LAB PRACTICALS** (in Umeå) will take place at **UPSC / KB.G4.04** (KB4C9)

*Teacher Contact Information:*

|  |  |  |
| --- | --- | --- |
| Initial | Name | Email |
| AS | Adrien Sicard | adrien.sicard@slu.se |
| CB | Catherine Bellini | catherine.bellini@umu.se |
| CM | Charles Melnyk | charles.melnyk@slu.se |
| HT | Hannele Tuominen | Hannele.Tuominen@slu.se |
| JH | Johannes Hanson | johannes.hanson@umu.se |
| JS | Jens Sundström | Jens.Sundstrom@slu.se |
| ME | Maria Eriksson | maria.eriksson@umu.se |
| MS | Markus Schmid | Markus.Schmid@umu.se |
| OK | Olivier Keech | olivier.keech@umu.se |
| ON | Ove Nilsson | Ove.Nilsson@slu.se |
| RB | Rishikesh Bhalerao | Rishi.Bhalerao@slu.se |
| SV | Stephane Verger | stephane.verger@slu.se |
| YM | Yuan Ma | [yuan.ma@slu.se](mailto:yuan.ma@slu.se) |

*Lectures Overview:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Title | By | Location | Group |
| 1a | Welcome | MS | Rönnen |  |
| 1b | Introduction to (Plant) Development | MS | Rönnen |  |
| 2 | Cell Division & Polarity | SR | Rönnen |  |
| 3 | Cell Expansion & Elongation | SV | Rönnen |  |
| 4 | Plant Embryogenesis | MS | Rönnen |  |
| 5 | Shoot Apical Meristem | SV | Rönnen |  |
| 6 | Root Apical Meristem & Primary Root | CB | Rönnen |  |
| 7 | Leaf Development & Epidermal Patterning | SR | Rönnen |  |
| 8 | Vasculature Development | CM | Ultuna |  |
| 9 | Secondary Growth | HT | Rönnen |  |
| 10 | Lateral & Adventitious Roots | CB | Rönnen |  |
| 11 | Regulation of Flowering Time | MS | Rönnen |  |
| 12 | Floral Patterning | ON | Rönnen |  |
| 13 | Reproductive Development | JS | Ultuna |  |
| 14 | Developmental Genetics & Evolution | AS | Ultuna |  |
| 15 | Circadian Clock & Diurnal Regulation of Growth | ME | Rönnen |  |
| 16 | Response to the Environment (stress) | JH | Rönnen |  |
| 17 | Tropisms in Plant Growth & Development | YM | Rönnen |  |
| 18 | Tree Phenology | RB | Rönnen |  |
| 19 | Plant Senescence | OK | Rönnen |  |

**Plant Growth and Development (2021/22)**

Lectures & Seminars:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **08:00 – 10:00** | **10:30 – 12:15** | | | **12:15 – 13:15** | **13:15 – 15:00** | | **– 16:00** |
| 01 Nov, 2021 | Monday |  |  | | |  |  | |  |
| 02 Nov, 2021 | Tuesday |  | Welcome (MS) | Introduction to (Plant) Development (MS) | |  | Organisational Meeting, Umeå (MS) |  |  |
| 03 Nov, 2021 | Wednesday |  | Cell Division & Polarity (SR) | |  |  | Cell Expansion & Elongation (SV) |  |  |
| 04 Nov, 2021 | Thursday |  | Plant Embryogenesis (MS) | |  |  | Shoot Apical Meristem (SV) |  |  |
| 05 Nov, 2021 | Friday |  | Root Apical Meristem & Primary Root (CB) | |  |  |  |  |  |
| 08 Nov, 2021 | Monday |  | Leaf Development & Epidermal Patterning (SR) | |  |  | Vasculature Development (CM; Ultuna) |  |  |
| 09 Nov, 2021 | Tuesday |  | Secondary Growth (HT) | |  |  | Lateral & Adventitious Roots (CB) |  |  |
| 10 Nov, 2021 | Wednesday |  | Regulation of Flowering Time (MS) | |  |  |  |  |  |
| 11 Nov, 2021 | Thursday |  | Floral Patterning (ON) | |  |  | Reproductive & Endosperm Development (JS; Ultuna) |  |  |
| 12 Nov, 2021 | Friday |  | Literature Seminar 1, Group A (MS) | |  |  | Literature Seminar 2, Group B (MS) |  |  |
| 15 Nov, 2021 | Monday |  | Developmental Genetics & Evolution (AS; Ultuna) | |  |  | Circadian Clock & Diurnal Regulation of Growth (ME) |  |  |
| 16 Nov, 2021 | Tuesday |  | Response to the Environment (stress) (JH) | |  |  | Tropisms in Plant Growth & Development (YM) |  |  |
| 17 Nov, 2021 | Wednesday |  | Tree Phenology (RB) | |  |  | Literature Seminar 2, Group B (JH) |  |  |
| 18 Nov, 2021 | Thursday |  | Plant Senescence (OK) | |  |  | Literature Seminar 2, Group A (JH) |  |  |
| 19 Nov, 2021 | Friday |  |  | |  |  |  |  |  |

Labs:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 22 Nov, 2021 | Monday |  |  |  |  |  |  |  |  |  |  |
| 23 Nov, 2022 | Tuesday |  |  |  |  |  |  |  |  |  |  |
| 24 Nov, 2023 | Wednesday |  |  |  |  |  |  |  |  |  |  |
| 25 Nov, 2024 | Thursday |  |  |  |  |  |  |  |  |  |  |
| 26 Nov, 2021 | Friday |  |  |  |  |  |  |  |  |  |  |
| 29 Nov, 2021 | Monday |  |  |  |  |  |  |  |  |  |  |
| 30 Nov, 2021 | Tuesday |  |  |  |  |  |  |  |  |  |  |
| 01 Dec, 2021 | Wednesday |  |  |  |  |  |  |  |  |  |  |
| 02 Dec, 2021 | Thursday |  |  |  |  |  |  |  |  |  |  |
| 03 Dec, 2021 | Friday |  |  |  |  |  |  |  |  |  |  |
| 06 Dec, 2021 | Monday |  |  |  |  |  |  |  |  |  |  |
| 07 Dec, 2021 | Tuesday |  |  |  |  |  |  |  |  |  |  |
| 08 Dec, 2021 | Wednesday |  |  |  |  |  |  |  |  |  |  |
| 09 Dec, 2021 | Thursday |  |  |  |  |  |  |  |  |  |  |
| 10 Dec, 2021 | Friday |  |  |  |  |  |  |  |  |  |  |

Student Presentations:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 13 Dec, 2021 | Monday |  |  |  |  |  |  |  |  |  |  |
| 14 Dec, 2021 | Tuesday |  |  |  |  |  |  |  |  |  |  |
| 15 Dec, 2021 | Wednesday |  |  |  |  |  |  |  |  |  |  |

Questions & Answers[[1]](#footnote-1):

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 10 Jan, 2022 | Monday |  |  |  |  |  |  |  |  |  |  |
| 11 Jan, 2022 | Tuesday |  |  |  |  |  |  |  |  |  |  |

Exam & Re-Exam:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 14 Jan, 2022 | Friday |  | EXAM | | | | | |  |  |  |
| 19 Feb, 2022 | Saturday |  | RE-EXAM | | | | | |  |  |  |

Stephanie Robert is inviting you to a scheduled Zoom meeting.  
  
Topic: PG&D B1293\_ Zoom Meeting  
Time: This is a recurring meeting Meet anytime  
  
Join Zoom Meeting  
<https://slu-se.zoom.us/j/65159796421>  
  
Meeting ID: 651 5979 6421  
Passcode: 308430  
One tap mobile  
+46850539728,,65159796421#,,,,\*308430# Sweden  
+46844682488,,65159796421#,,,,\*308430# Sweden  
  
Dial by your location  
+46 850 539 728 Sweden  
+46 8 4468 2488 Sweden  
+46 8 5016 3827 Sweden  
+46 8 5050 0828 Sweden  
+46 8 5050 0829 Sweden  
+46 8 5052 0017 Sweden  
Meeting ID: 651 5979 6421  
Passcode: 308430  
Find your local number: <https://slu-se.zoom.us/u/cdnTktIPB1>  
  
Join by SIP  
[65159796421@109.105.112.236](mailto:65159796421@109.105.112.236)  
[65159796421@109.105.112.235](mailto:65159796421@109.105.112.235)  
  
Join by H.323  
109.105.112.236  
109.105.112.235  
Meeting ID: 651 5979 6421  
Passcode: 308430  
  
Processing of personal data at SLU  
<https://www.slu.se/en/about-slu/contact-slu/personal-data/>  
  
About Zoom - for SLU students  
<https://student.slu.se/en/study-support/emergencies-and-incidents/information-about-the-coronavirus/study/>  
  
About Zoom - for SLU staff  
<https://www.slu.se/en/about-slu/contact-slu/personal-data/>

1. In the past this was not really productive as only the course organizers were present. We will try to organize this as Zoom meeting, with dedicated time slots for specific teachers. [↑](#footnote-ref-1)