



Prof. Hugo Germain
Visiting Fellow, Biotechnology, IIT Roorkee
Professor Université du Québec à Trois-Rivières

Summer School in Plant Biology

IIT Roorkee-Uni. of Quebec Trois Rivieres and centre SEVE

Date: May 13-17, 2019

Venue: Department of Biotechnology, IIT Roorkee



Harsh Chauhan
Assistant Professor
Department of Biotechnology, IIT Roorkee



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Date: 13/05/19 – 17/05/19

Venue: Department of Biotechnology, IIT Roorkee

Monday May 13th

- Hugo Germain: Scientific Misconducts
- Harsh Chauhan: The challenges of agriculture in India
- Narimane Fradj: The applications of synthetic biology
- Zeenu: An introduction to the root system architecture in plants: Monocots and Dicots

Tuesday May 14th.

- Field presentation 1. Marc-Antoine Turcotte: Rice in India: the status of the genetic pool
- Field presentation 2. Anuj Kumar Poonia: Sugarcane
- Safa Labidi: *In vitro* culture
- Parul Sirohi: Nutraceuticals: The future of intelligent food
- Mathilde Gaudreau: More than pests: An introduction to insect identification, collection, and biological control
- Harshita Singh: Plant Stem Cells
- Claire Letanneur: The biology of stromules: their role in plant and their dynamics

Wednesday May 15th.

- Field trip

Thursday May 16th

- Field presentation 3: Anuj Kumar Poonia Litchee
- Field presentation 4: Anuj Kumar Poonia Mango
- Teura Barff: The roles of NB-LRR proteins in plants
- Reeku Chaudhary: Memory of stress in plants
- Aline Lacaze: The Phytophthora-potato interaction.
- Sweta Singh: Communication in plants
- Stefano Bilotta: Molecular Farming

Friday May 17th

- Gayathri Ilangumaran: Plant growth promoting rhizobacteria to alleviate stress
- Sumit Kumar Mishra: Heat Stress in cereals: Mechanism, Challenges and Future
- Mario Khalil: Plant cell wall-degrading enzymes
- Pratibha: Absorption of mineral nutrition by plants
- Noémie Pépin: The status of Cannabis in Canada.

