

## M 4439 “Integrative Topics in Plant Science”

Lecture - winter term 2022 / 2023  
Fridays October 14, 2022 – February 3, 2023, 8:30 – 10:00 am

The Lecture will be held in-person: 26.24.U1.020

### Schedule

	Date	Speaker	Institute	Topic
	14.10.22	Petra Fackendahl		General Introduction
<b>1</b>	14.10.22	Dr. S. Matsubara	Plant Growth and Metabolism (FZ Jülich)	Carotenoids in plant stress response
<b>2</b>	21.10.22	Prof. P. Jahns	Photosynthesis and Stress Physiology of Plants	Photo-oxidative stress in plants
<b>3</b>	28.10.22	Prof. B. Stich	Quantitative Genetics and Genomics of Plants	Quantitative crop genomics - from genes to crop breeding
<b>4</b>	04.11.22	Dr. N. Linka	Plant Biochemistry	Peroxisome – a neglected, but important organelle for plant function
<b>5</b>	11.11.22	Prof. M. Lercher	Bioinformatics	Modelling plant metabolism
<b>6</b>	18.11.22	Prof. M. Pauly	Plant Cell Biology	The plant cell wall
<b>7</b>	25.11.22	Dr. V. Göhre	Microbiology	The plant immune system
<b>8</b>	02.12.22	Prof. M. Feldbrügge	Microbiology	Polar growth in phytopathogens
<b>9</b>	09.12.22	Prof. G. Groth	Biochemical Plant Physiology	Plant Membrane Proteins: Molecular Motors, Sensors and Transmitters
<b>10</b>	16.12.22	Prof. M. Zurbriggen	Synthetic Biology	Plant and Mammalian Synthetic biology approach for the control and understanding of cellular processes
<b>11</b>	13.01.23	Prof. R. Simon	Developmental Genetics	The stem cell concept in plant development
<b>12</b>	20.01.23	Prof. A. Weber	Plant Biochemistry	C4 Photosynthesis
<b>13</b>	27.01.23	Prof. J. Zeier	Molecular Ecophysiology of Plants	Systemic acquired resistance in plants
<b>14</b>	03.02.23	Prof. P. Bauer	Botany	Iron Biofortification