



# AI for Life Scientists: from Basics to Applications

Thursday 11 April 2024

**Lecture Series: Overview** - Zoom (14:00 - 15:30)

-Conveners: Donatella Cea; Axel Schumacher

time	[id]	title	presenter
14:00	[9]	Introduction to AI in Life Sciences	PIRAUD, Marie

# Thursday 18 April 2024

**Lecture Series: Supervised and Unsupervised Learning - Zoom (14:00 - 15:30)**

-Conveners: Axel Schumacher; Sikha Ray

time	[id] title	presenter
14:00	[10] Supervised and Unsupervised Learning	LOEWE, Axel

# Thursday 25 April 2024

## Lecture Series: Introduction to Biological Data - Zoom (14:00 - 15:30)

-Conveners: Nicole Merkle; Thorsten Auth

time	[id]	title	presenter
14:00	[16]	Biological Data	USADEL, Björn

# Thursday 2 May 2024

**Lecture Series: Data Preprocessing - Zoom (14:00 - 15:30)**

-Conveners: Thorsten Auth; Donatella Cea

time	[id]	title	presenter
14:00	[11]	Data Preprocessing	GEORGII, Elisabeth

# Thursday 23 May 2024

**Lecture Series: CANCELED: Diffusion Models for Biomedical Applications - Zoom (14:00 - 15:30)**

-Conveners: Nicole Merkle; Thorsten Auth

time	[id] title	presenter
14:00	[12] Diffusion Models	RIECK, Bastian

# Thursday 13 June 2024

**Lecture Series: Transformer Language Models for Genomic Sequences - Zoom (14:00 - 15:30)**

-Conveners: Sikha Ray; Nicole Merkle

time	[id]	title	presenter
14:00	[14]	Transformer Models	MARTINEK, Vasikmil

# Thursday 27 June 2024

**Lecture Series: Ethical Considerations for AI Models in the Life Sciences - Zoom (14:00 - 15:30)**

-Conveners: Donatella Cea; Thorsten Auth

time	[id] title	presenter
14:00	[13] Ethical Considerations for AI Models	WILLEM, Theresa



# Thursday 4 July 2024

**Lecture Series: Explainable AI - Zoom (14:00 - 15:30)**

-Conveners: Sikha Ray; Nicole Merkle

time	[id]	title	presenter
14:00	[15]	Explainable AI	THIEBES, Scott

# Thursday 11 July 2024

**Lecture Series: CANCELED: Generative Modeling for Phenotypic Based Drug Discovery - Zoom (14:00 - 15:30)**

-Conveners: Nicole Merkle; Thorsten Auth

time	[id]	title	presenter
14:00	[17]	AI for Drug Discovery	LOTFOLLAHI, Mohammed

# Monday 15 July 2024

**Lecture Series: Diffusion Models for Biomedical Applications - Zoom (14:00 - 15:30)**

-Conveners: Nicole Merkle; Thorsten Auth

time	[id]	title	presenter
14:00	[20]	Diffusion Models	RIECK, Bastian

# Thursday 18 July 2024

**Lecture Series: AI for Omics - Zoom (14:00 - 15:30)**

-Conveners: Sikha Ray; Axel Schumacher

time	[id]	title	presenter
14:00	[18]	AI for Omics	HEINIG, Matthias

# Thursday 25 July 2024

**Lecture Series: ChatGPT in Action: Enhancing your Workflow - Zoom (14:00 - 15:30)**

-Conveners: Thorsten Auth; Sikha Ray

time	[id] title	presenter
14:00	[19] ChatGPT in Action	CEA, Donatella MEKKI, Ilhem Isra