DAY 1 AUGUST 23

15:00 - 16:20	Matthias Heinig, Helmholtz Zentrum München (Lecture)	Using machine learning to identify and understand non-coding disease associated genetic variants
16:30 - 17:50	Matthias Heinig, Helmholtz Zentrum München (Seminar)	Using machine learning to identify and understand non-coding disease associated genetic variants
18:00 - 19:20	Asa Ben-Hur, Colorado State University (Lecture)	Graph neural networks for protein 3d structures: from prediction of interactions to assessment of structure and docking solutions.
19:30 - 21:00	Asa Ben-Hur, Colorado State University (Seminar)	Graph neural networks for protein 3d structures: from prediction of interactions to assessment of structure and docking solutions.

A	DAY 2 AUGUST 24	
11:00 - 12:20	Wesley De Neve, Ghent University (Lecture)	Deep Learning for Splice Site Detection
12:30 - 14:00	Espoir Kabanga, Ghent University (Seminar)	Deep Learning for Splice Site Detection
14:00 - 15:00	Lunch break	
15:00 - 16:20	Daisuke Kihara, Purdue University (Lecture)	Machine Learning in Protein Structural Bioinformatics: Structure modeling for Cryo-EM and protein docking
16:30 - 18:00	Charles W Christoffer, Purdue University (Lecture)	Machine Learning in Protein Structural Bioinformatics: Structure modeling for Cryo-EM and protein docking
18:00 - 18:30	Allan Campopiano, DeepNote (Workshop)	How to work in DeepNote?

يولي	DAY 3 AUGUST 25	
11:00 - 12:20	Yaron Orenstein, Ben-Gurion University of the Negev (Lecture)	Interpretability of deep neural networks in genomics
12:30 - 14:00	Yaron Orenstein, Ben-Gurion University of the Negev (Seminar)	Interpretability of deep neural networks in genomics
14:00 - 15:00	Lunch break	
15:00 - 16:20	Evgeny Burnaev, Skoltech (Lecture)	Manifold Learning for Predictive Modeling in Bioinformatics Applications
16:30 - 18:00	Evgeny Burnaev, Skoltech (Seminar)	Manifold Learning for Predictive Modeling in Bioinformatics Applications
18:00 - 19:00	Social/Networking event	

10	DAY 4 AUGUST 26	
11:00 - 12:20	Vsevolod Makeev, MIPT (Lecture)	Bayesian checkpoint segmentation and genome annotation
12:30 - 14:00	Vsevolod Makeev, Sergei Abramov, Alexander Boytsov, MIPT (Lecture)	Bayesian checkpoint segmentation and genome annotation
14:00 - 15:00	Lunch break	
15:00 - 16:20	José Miguel Hernández Lobato, University of Cambridge (Lecture)	Machine Learning for Molecule Data
16:30 - 18:00	José Miguel Hernández Lobato, University of Cambridge (Seminar)	Machine Learning for Molecule Data
18:00 - 19:20	Shankai Yan, National Institutes of Health (Lecture)	Biomedical text mining and its application
19:30 - 21:00	Shankai Yan, National Institutes of Health (Seminar)	Biomedical text mining and its application

A REAL	DAY 5 AUGUST 27	
11:00 - 12:20	Sebastian Lapuschkin, Heinrich Hertz Institute (Lecture)	XAI beyond Explaining: Using Explainability for Improving Deep Machine Learning Models
12:30 - 14:00	Maria Poptsova, Nazar Beknazarov HSE University (Lecture)	Deep learning for predictions of DNA secondary structures
14:00 - 15:00	Lunch break	
15:00 - 16:30	Alexander Misharin, Northwestern University (Lecture)	Introduction to single-cell genomics and related machine learning methods
17:00 - 18:00	Ramana Davuluri, Stony Brook University (Lecture)	DNABERT: pre-trained Bidirectional Encoder Representations from Transformers model for DNA-language in genome By
18:00 - 18:30	Yanrong Ji and Zhihan Zhou, Stony Brook University (Seminar)	DNABERT: pre-trained Bidirectional Encoder Representations from Transformers model for DNA-language in genome By