# SUMMER SCHOOL ON MACHINE LEARNING IN BIOINFORMATICS SCHEDULE, DAY 1 (24/08)

10:45 - 11:00	Opening words by Maria Poptsova (HSE University, Russia)
11:00 - 12:30	Lecture by Yaron Orenstein (Ben-Gurion University of the Negev, Israel) on Convolutional neural networks for protein-DNA/RNA binding
12:45 - 14:15	Seminar by Yaron Orenstein and Maor Asif (Ben- Gurion University of the Negev, Israel) on Convolutional neural networks for protein- DNA/RNA binding
14:15 - 15:00	Lunch break
15:00 - 16:30	Lecture by Maria Poptsova (HSE University, Russia) on Deep learning for DNA secondary structure prediction
16:45 - 18:15	Seminar by Maria Poptsova and Nazar Beknazarov (HSE University, Russia) on Deep learning for DNA secondary structure prediction
18:15 - 19:00	Virtual Tour - Moscow and HSE

# SUMMER SCHOOL ON MACHINE LEARNING IN BIOINFORMATICS SCHEDULE, DAY 2 (25/08)

10:40 - 11:00	Morning chat with tea/coffee
11:00 - 12:30	Lecture by Wesley De Neve (Ghent University, Belgium) on Deep learning for splice site prediction
12:45 - 14:15	Seminar by Espoir Kabanga and Wesley De Neve (Ghent University, Belgium) on Deep learning for splice site prediction
14:15 - 15:00	Lunch break
15:00 - 16:30	Lecture by Michael Bronstein (Imperial College London, UK) on Geometric deep learning: theory, method, and applications in biological sciences
16:45 - 18:15	Seminar by Aleksandra Galitsyna (Skoltech, Russia) on Learning about the genome in 3D: challenges and opportunities
18:15 - 19:00	Virtual Tour - Moscow and HSE

# SUMMER SCHOOL ON MACHINE LEARNING IN BIOINFORMATICS SCHEDULE, DAY 3 (26/08)

10:40 - 11:00	Morning chat with tea/coffee
11:00 - 12:30	Lecture by Evgeny Burnaev (Skoltech, Russia) on Deep generative models for knowledge transfer
12:45 - 14:15	Seminar by Anna Kuzina and Evgeny Egorov (Skoltech, Russia) on Deep generative models for knowledge transfer
14:15 - 15:00	Lunch break
15:00 - 16:30	Lecture by José Miguel Hernández Lobato (University of Cambridge, UK) on Advances in machine learning for molecules
16:45 - 18:15	Seminar by John Bradshaw (University of Cambridge, UK) on Advances in machine learning for molecules
18:15 - 19:00	Social event "How did I come to bioinformtics?"

# SUMMER SCHOOL ON MACHINE LEARNING IN BIOINFORMATICS SCHEDULE, DAY 4 (27/08)

10:40 - 11:00	Morning chat with tea/coffee
11:00 - 12:30	Lecture by Ka-Chun Wong (City University of Hong Kong) on Disruptive AI technologies for molecular biology and bedicine: DNA motifs, CRISPR-Cas9 Off-Targets, and cancer screening from blood
12:45 - 14:15	Seminar by Shixiong Zhang (City University of Hong Kong) on Practical Hands-on Experience for Disruptive Al Technologies: DNA Motifs,CRISPR-Cas9 Off-Targets, and Cancer Screening from Blood
14:15 - 15:00	Lunch break
15:00 - 16:30	Lecture by Vsevolod Makeev (MIPT, Russia) on Bayesian checkpoint segmentation and genome annotation
16:45 - 18:15	Seminar by Vsevolod Makeev, Sergei Abramov, Alexander Boytsov (MIPT, Russia) on Bayesian checkpoint segmentation and genome annotation

# SUMMER SCHOOL ON MACHINE LEARNING IN BIOINFORMATICS SCHEDULE, DAY 5 (28/08)

10:40 - 11:00	Morning chat with tea/coffee
11:00 - 12:30	Lecture by Matthias Heinig (Helmholtz Zentrum München, Germany) on Using machine learning to understand gene regulation and the consequences of disease associated genetic variants
12:45 - 14:15	Semnar by Matthias Heinig (Helmholtz Zentrum München, Germany) on Using machine learning to understand gene regulation and the consequences of disease associated genetic variants
14:15 - 15:00	Lunch break
15:00 - 16:30	Lecture by Wojciech Samek (Fraunhofer Heinrich Hertz Institute, Germany) on Interpretable an explainable deep learning
16:45 - 17:15	Closing words by Maria Poptsova (HSE University, Russia)