

BIOINFORMATICS for daily life

Research Area Biotechnology and Microbiology, Institute of Chemical Engineering, TU Wien, Gumpendorferstrasse 1a/1/166.5, 1060 Wien, Austria



Organizer and moderator: Priv. Doz. Dr. Irina S. Druzhinina

January 18th, 12:00 - 18:00

1. **Birth of *Homo sapiens*** by *Guenther Bonifert*
2. **Metagenomics** by *Nico Osterauer*
3. **Genetic differences between humans and other great apes** by *Martin Joerg*
4. **Do we evolve?** by *Melanie Grandits*
5. **Human Genome Project** by *Kristina Ortner*
6. **The personal Genome Project** by *Karin Ortner*
7. **Jim Watson's Genome** by *Magdalena Mayr*
8. **Genomics of a Human Fetus** by *Nina Kainersdorfer*
9. **Ancient interbreeding and archaic DNA admixture** by *Alexander Beinhauer*
10. **How archaic humans shaped modern human immune system** by *Lukas Marschall*
11. **DNA analysis reveals possible causes of untimely death of King Tut** by *Ahmed Abdelaaty*
12. **Romanov DNA** by *Sandra Stranzinger*
13. **We are what we eat: a genetic drift for susi eaters** by *Max Kosok*

January 21th, 12:00 - 18:00

1. **Man made life** by *Barbara Roth*
2. **Human Microbiome Project** by *Victoria Dorrer*
3. **Dog genome evolution** by *Komal Kariyankode*
4. **Evolution of cats** by *Gudi Schnitzer*
5. **Evolution of sex** by *Thomas Gundinger*
6. **Gene duplication and evolution of color vision of primates** by *Miriam Huber*
7. **Metagenomics: Evolutionary History of Mammoth** by *Kerstin Quirchmayr*
8. **Hidden treasures in 'Junk DNA'** by *Anna-Katharina Koch*
9. **Bioinformatic portret of novel influenza virus H1N1** by *Martina Birnstingl*
10. **Decoding the common cold virus** by *Malgorzata Boraca*
11. **Molecular clock in phylogenetic analysis** by *Melanie Reitmaier*
12. **Public Health, Biosecurity, and H5N1** by *Rene Sabin*
13. **Viral evolution** by *Karin Wieland*

