

In times of crisis, optimism and caution will be of the essence

The Sixth Weissenburg Symposium

September 01 - 04, 2021

Venue: Kulturzentrum Karmeliterkirche, Weissenburg in Bayern, Germany

“Genome-wide Epigenetic Profiles”

Dear friends of the Weissenburg Symposia,

As of today, Thursday, **July 22**, 2021, the statistics of Covid-19 cases in Germany and Weissenburg are the following:

The incidence of cases per 100.000 inhabitants during the past 7 days has been 12.2 and 5.3, respectively.

Vaccination update: 60.4 % of the population in Germany have been vaccinated once, 48 % twice.

With the obvious proviso that predictions about the state of the pandemic in September 2021 are impossible to make, we decided to schedule the Weissenburg Symposium September 01 to 04, 2021. Please, be assured that, should Covid-19 conditions deteriorate between now and around the end of August, we would have to postpone or cancel the date of the meeting again.

Lectures will begin on Wednesday September 01, 2021 at 9:00 o'clock AM..

List of Speakers and (Preliminary) Lecture Titles

Thomas R. Broker, University of Alabama, Birmingham – broker@uab.edu

Clonal selection for a single locus of transcriptionally active HPV oncogenes in cancers involving DNA methylation-mediated silencing.

Louise T. Chow, University of Alabama, Birmingham –

Histone deacetylase inhibitors abrogate HPV DNA replicative amplification and cause apoptosis in cervical cancer xenografts and organoids. ltchow@uab.edu

***Michelle Débatisse**, Institut Gustave Roussy, Paris – michelle.debatisse@gustaveroussy.fr
Title pending.

***Walter Doerfler**, FAU Erlangen-Nürnberg, Institute of Genetics, Cologne – walter.doerfler@t-online.de Epigenetic consequences of foreign DNA insertions into mammalian genomes. [Preliminary title].

***Armin Ensser**, Friedrich-Alexander University Erlangen - armin.ensser@fau.de
Gamma-herpesviral tegument proteins - proviral manipulators of ND10- and SMC-protein related nuclear processes.

***Ingemar Ernberg**, Karolinska Institutet, Stockholm - Ingemar.Ernberg@ki.se
The role of epigenetics in the control of Epstein-Barr viral latent infection and oncogenesis.

***Manel Esteller**, Josep Carreras Leukaemia Research Institute - mesteller@carrerasresearch.org DNA and RNA modifications in Cancer: Crosstalk between Epigenetics and Epitranscriptomics

***François Fuks**, Université Libre de Bruxelles – ffuks@ulb.ac.be
Role of RNA Modifications in Health and Disease.

***Rudolf Jaenisch**, MIT - jaenisch@wi.mit.edu
Genomic integration and expression of SARS-CoV-2.

***Peter Jones**, Van Andel Research Institute, Grand Rapids, MI - peter.jones@vai.org
How DNA gets methylated.

Elizabeth Larose Cadieux, University College London – elizabeth.larosecadieux@crick.ac.uk econvolved tumour methylation profiles unlock unique insights into non-small cell lung cancer.

***Heinrich Leonhardt**, LMU München - h.leonhardt@lmu.de
Role and regulation of DNA modifications in development and disease.

***Art Petronis**, University of Toronto, Toronto, Canada – art.petronis@camh.ca
Chronoepigenomics.

***Christoph Plass**, DKFZ, Heidelberg - c.plass@dkfz.de
Acute myeloid leukemia with deletion on chromosome 7q.

***Andreas Radbruch**, Deutsches Rheuma-Forschungszentrum, Berlin - durez@drfz.de
Epigenetic signatures of tissue-resident memory T cells. radbruch@drfz.de

Klaus Rajewsky, Max-Delbrück Center for Molecular Medicine, Berlin-Buch – **Special Lecture**, title to be announced. Klaus.Rajewsky@mdc-berlin.de

Christina Ramirez, Biostatistics, UCLA - christina.ramirez.kitchen@gmail.com
HIV methylation and aging.

***Wolf Reik**, Babraham Institute, Cambridge, UK - wolf.reik@babraham.ac.uk
Single cell epigenome landscape of development and ageing. **+, depending on UK-EU border regulations**

Karsten Rippe, DKFZ, Heidelberg - Karsten.Rippe@bioquant.uni-heidelberg.de
Linking chromatin states and interferon induced gene expression.

***Michal-Ruth Schweiger**, University of Cologne – mschweig@uni-koeln.de
Peri-centromeres and their role in chemotherapy resistance.

Daniel Summerer, TU Dortmund - daniel.summerer@tu-dortmund.de Designer Probes and Reagents for Decoding and Editing the Epigenetic Cytosine Code

***Moshe Szyf**, McGill University, Montreal - moshe.szyf@mcgill.ca

Early life stress, trauma and post trauma stress disorder: Is there a role for DNA methylation?

***Jussi Taipale**, Department of Biochemistry, University of Cambridge, UK - ajt208sec@bioc.cam.ac.uk Towards predicting gene expression from DNA sequence

Alexander Tarakhovsky, Rockefeller University, New York, NY - tarakho@rockefeller.edu
Epigenetic mimicry by viruses.

***Ash Tolun**, Istanbul Technical University, Istanbul. tolunasli@itu.edu.tr
Disease Gene Search.

***Toshikazu Ushijima**, National Cancer Center, Tokyo - tushijim@ncc.go.jp

Impact of epigenetic alterations in epithelial and stromal cells induced by chronic inflammation on cancer risk and treatment.

Miklos Toth, Weill Cornell Medical College, New York, NY - mtoth@med.cornell.edu
Epigenetically bi-stable genomic elements in the brain govern neuronal (mal)-adaptation to changing environments.

***Jörn Walter**, Saarland University, Saarbrücken - j.walter@mx.uni-saarland.de
Modeling of genome wide DNA-methylation dynamics.

Speakers have recently confirmed their participation.

The names of speakers marked by an asterisk * have attended previous Weissenburg Symposia.

Special Events:

Wednesday, 1 September, 19:00 hrs

Evening Lecture by Klaus Rajewsky, Max-Delbrück-Center for Molecular Medicine, Berlin-Buch.

Title to be announced.

Thursday, 2 September 2021, 19:30 hrs, Kulturzentrum Karmeliterkirche

Piano recital - *ENCORES - Von Chopins „Fantaisie-Impromptu“ bis zu Sindings „Frühlingsrauschen“*
Gesprächskonzert mit Thomas Taliesin Weber (Klavier)

Thomas Taliesin Weber belongs to the most multi-talented pianists of his generation. He has composed, produced, and arranged music for film, TV and industrial documentations. He has published two solo-CDs. He accompanies his piano solo recitals with profound analyses of

the compositions presented in concert. In recent years, he moderated and interpreted works by Frédéric Chopin and Franz Liszt.

Friday, 3 September 2021, ca. 19:00 hrs – Symposium Dinner: Details to be announced.

Travel to Weissenburg: Should you get lost – contact Walter Doerfler +49-171-205-1587

By **car from Frankfurt** via Würzburg – **Autobahn A3/ A6 direction Nürnberg**, exit 52, Ansbach to B13, direction Augsburg, Weißenburg. From **Munich Airport – Autobahn A9**, exit Ingolstadt North, continue on B13 directly to Weissenburg. **Remember** – train services are very good and (mostly) reliable in Germany.

By **train** – Local trains (RE, Regionalexpress) **from Nürnberg Hauptbahnhof** direction Augsburg or München, usually platform 5 every 08 and 39 minutes past the hour.

By **plane: Closest airports Nürnberg** (Albrecht Dürer, about 70 km) or **München** (Franz Josef Strauss, about 100 km). From there, *we'll provide taxi shuttle services to and fro.*

Munich Airport will be your best choice.

We are very much looking forward to welcoming you to the Sixth Weissenburg Symposium, September 01 to 04, 2021. For questions, contact me at walter.doerfler@t-online.de or by mobile phone +49-171-205-1587.

Best wishes,

Walter Doerfler

July 11, 2021

Co-organizers are

Prof. Dr. Dr. Ruth-Michal Schweiger, University of Cologne and

Prof. Dr. Christoph Plass, German Cancer Research Institute, Heidelberg

Prof. Dr. Klaus Überla, Institute for Virology, FAU Erlangen-Nürnberg.

Impressions of the Medieval Town





Weißenburg is a town in Frankonia (Northern Bavaria) of about 18,600 inhabitants. The town is located 130 km to the North of Munich and 60 km to the South of Nuremberg. Its origins date back to a *Castrum Romanum* (fortification) and *vicus* (settlement) from around 90 CE when the Roman Empire was extended North, beyond the river Danube, under Roman emperors Domitian (81-96 CE) and Trajan (98-117). Today's town lies close to the remnants of the **Roman Limes**, which has been declared a **World Cultural Heritage**. Artifacts from the Roman time, particularly a spectacular treasure discovery, probably of spoils, in 1979, are on display in the Roman Museum, located almost next door to the meeting venue. The present town has a medieval core, which survived WWII unscathed, and reaches back to a royal court (867 CE) and the city rights of 1186. In 1530, city officials co-signed the Augsburg Convention. Together with all of Frankonia, Weissenburg became part of Bavaria in 1806 (a "gift" of Napoleon Bonaparte of Corsica to the Bavarian "King", Maximilian I of the Wittelsbach family).

Today, Weissenburg is county seat and harbors enterprises, like wire and wire products, automobile parts, logistics firms, plastic parts for various industries, Ossberger's hydroelectric turbines, Schwan-Stabilo pens and cosmetics, nearby Solnhofen lime stone industry etc. Solnhofen offers an outstanding paleontological museum (www.geo-zentrum-solnhofen.de) with several specimens of the archaeopteryx and unique artifacts from the Jurassic period (150 million years ago). Another touristic attraction is the "Fränkisches Seenland" (Frankonian Lake District) easily reached to the *North by Northwest* from Weißenburg.
