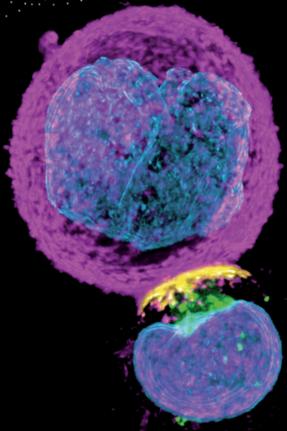Leibniz Institute for
Immunotherapy
Cells built to cure

International LIT Symposium

Synthetic Immunology / Synthetic Biology

June 23rd – 24th, 2026
Regensburg, Germany

Kindly supported by

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UNIVERSITÄTS
STIFTUNGEN | UNIVERSITÄTSSTIFTUNG
HANS VIELBERTH

Welcome Address

Dear participants!

"Cells built to cure" serves as the guiding slogan of the Leibniz Institute for Immunotherapy and captures our enthusiasm for the field of synthetic immunology and synthetic biology. During our conference, leading international experts in this field will present and discuss cutting-edge, novel approaches.

While genetic reprogramming has been confined to the laboratory, new methods now enable it to be performed directly in the human body – the next major step towards broadly applicable and affordable therapies with gene-engineered immune cells.

Despite significant successes, many fundamental questions remain, and we still need to investigate basic research aspects. Our program, therefore, covers a broad range of challenges from discovery to translation to clinical application. Research topics cover in vivo gene engineering, synthetic cells, organelle medicine and artificial protein design. We will also hear about the most innovative approaches in engineering T-cell fitness in situ, about on-target inducible payloads, and CAR T cells for autoimmune disorders.

Our International LIT Symposium 2026 brings together top experts to explore diverse facets of cellular therapies, offering cutting-edge insights and ample opportunity to debate and develop new ideas in a think-tank setting.
We look forward to welcoming you to the beautiful city of Regensburg for two exciting days!

On behalf of the Board of Directors,

Philipp Beckhove

Conference Chair

Program	Tuesday, June 23rd, 2026	Program	Wednesday, June 24th, 2026

	Symposium at "Haus der Bayerischen Geschichte" Donaumarkt 1, 93047 Regensburg		Symposium at "Haus der Bayerischen Geschichte" Donaumarkt 1, 93047 Regensburg
08.00 – 09.00	Registration	09.00 – 10.00	Keynote George Coukos Building personalised T-cell therapy for solid tumors
09.00 – 10.00	Keynote Carl H. June Updates with CAR T cells	10.00 – 10.30	Sai Reddy Predicting adaptive immune receptor specificity by AI
10.00 – 10.30	Yvonne Y. Chen Engineering multi-pronged CAR T-cell therapy for solid tumors	10.30 – 11.00	Dominik Niopek Precision control of protein activity for synthetic immunology and beyond
10.30 – 11.00	Christine Brown Next-generation CAR T-cell approaches for Glioblastoma: overcoming barriers to efficacy	11.00 – 11.30	Coffee break
11.00 – 11.30	Coffee break	11.30 – 12.00	Sebastian Kobold Optimizing cell-based strategies for treatment of acute myeloid leukemia
11.30 – 12.00	Marcela Maus Test driving CAR T cells	12.00 – 12.30	Roman Jerala Protein domain engineering for improved efficiency of CAR T-cell immunotherapy
12.00 – 12.30	Luca Gattinoni Stem cell memory T cells for next-generation CAR T therapy	12.30 – 13.00	Leo Scheller Protein engineering for tumor microenvironment-specific CARs
12.30 – 15.00	Lunch + Poster session / Lightning talks at "Salzstadel" Weisse-Lamm-Gasse 1, 93047 Regensburg	13.00 – 13.30	Petra Schwille Hidden champions – what minimal cells can teach us about proteins
	Return to and continuation of Symposium at "Haus der Bayerischen Geschichte" Donaumarkt 1, 93047 Regensburg	13.30 – 14.30	Lunch break
15.00 – 16.00	Keynote Michel W. Sadelain TBA	14.30 – 15.30	Keynote Shimon Sakaguchi TBA
16.00 – 16.30	Katie Galloway Genetic control systems for programming cell fate	15.30 – 16.00	Gerhard Krönke Resetting autoimmunity in immune-mediated inflammatory disease
16.30 – 17.00	Leonardo Morsut Programming pattern, shape, and function: learning the rules of multicellular organization	16.00 – 16.30	Markus Feuerer Tissue adaptation of regulatory T cells and engineering
17.00 – 17.30	Justin Eyquem Ex vivo and in vivo genome editing to reprogram T cells	16.30	End of meeting
From 18.00	Social event / Joint dinner		

Preliminary program – subject to change without prior notice

Speakers

Christine Brown
Beckman Research Institute
City of Hope National Medical
Center,
Duarte, CA – USA

Yvonne Y. Chen
University of California,
Los Angeles, CA – USA

George Coukos
Ludwig Institute for Cancer
Research,
New York, NY – USA

Justin Eyquem
University of California,
San Francisco, CA – USA

Markus Feuerer
Leibniz Institute for
Immunotherapy,
Regensburg – Germany

Katie Galloway
Massachusetts Institute of
Technology,
Cambridge, MA – USA

Luca Gattinoni
Leibniz Institute for
Immunotherapy,
Regensburg – Germany

Roman Jerala
National Institute of Chemistry,
Ljubljana – Slovenia

Carl H. June
University of Pennsylvania,
Philadelphia, PA – USA

Sebastian Kobold
LMU Klinikum München,
Munich – Germany

Gerhard Krönke
Charité – Universitätsmedizin
Berlin,
Berlin – Germany

Marcela Maus
Mass General Brigham Cancer
Institute,
Boston, MA – USA

Leonardo Morsut
University of Southern
California,
Los Angeles, CA – USA

Dominik Niopek
Heidelberg University,
Heidelberg – Germany

Sai Reddy
ETH Zürich
Zurich – Switzerland

Michel W. Sadelain
Columbia University,
New York, NY – USA

Shimon Sakaguchi
Osaka University,
Osaka – Japan

Leo Scheller
Leibniz Institute for
Immunotherapy,
Regensburg – Germany

Petra Schwille
Max Planck Institute of
Biochemistry,
Martinsried – Germany

Program Committee

Hinrich Abken
Div. of Genetic
Immunotherapy;
Leibniz Institute for
Immunotherapy

Philipp Beckhove
Div. of Interventional
Immunology;
Leibniz Institute for
Immunotherapy

Matthias Edinger
Department of Internal
Medicine III;
University Hospital
Regensburg / Leibniz Institute
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Markus Feuerer
Div. of Immunology;
Leibniz Institute for
Immunotherapy

Luca Gattinoni
Div. of Functional Immune Cell
Modulation;
Leibniz Institute for
Immunotherapy

Carmen Gerlach
Div. of Tailored T-Cell Diversity;
Leibniz Institute for
Immunotherapy

Birte Kehr
"Algorithmic Bioinformatics";
Leibniz Institute for
Immunotherapy

Simone Thomas
"T-Cell Therapy";
Leibniz Institute for
Immunotherapy

Registration / General Information

Conference Fee (Dinner on June 23rd, 2026)

PhD students (incl. dinner):	€ 330 pp
Regular participation (excl. dinner):	€ 500 pp
Regular participation (incl. dinner):	€ 580 pp
Industry participants (excl. dinner):	€ 650 pp
Industry participants (incl. dinner):	€ 730 pp

Conference Venue
Plenary Sessions: "Haus der Bayerischen Geschichte" –
Donaumarkt 1, 93047 Regensburg
Poster Session / Lightning Talks: "Salzstadel" –
Weiße-Lamm-Gasse 1, 93047 Regensburg

CME – Continuing Medical Education
Up to 15 points category A may be gained for participation to
this symposium as part of the certification of Continuing Medical
Education by the BLÄK Bavarian Medical Association (requested
– subject to final approval). Don't forget to enter your EFN
(Einheitliche Fortbildungsnummer) in the registration form. Only
applicable for German physicians.

Accommodation
A limited number of rooms has been exclusively reserved for you
from June 22nd – 24th. Reservation requests are on first-come-
first-serve basis, the respective hotel's terms and conditions apply.
Please book your accommodation until May 15th, 2026 at discounted
conference rates on https://tagen-in-regensburg.com/_lit2026.
Please do not delay in making your reservation. There are several
events taking place at the same time on that date.

Legal Notice

General Terms & Conditions
By registering to the LIT Symposium 2026, the participant accepts
the GT&C, available for download on the conference's website
www.LIT-symposium.org

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Photo Consent: https://lit-symposium.org/photo-consent/

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Please register at:
www.LIT-symposium.org

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