

5th ADR-AC Symposium

20 years of ADR-AC
10'000 Cyto-LTT



Quantifying Immunity

Advances in Cellular Testing for Drug Hypersensitivity

Thursday
22nd April 2027
09.00 - 17.30 h

Welle 7

Train-Station
CH 3000 Bern



ADR-ACGmbH

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DEAR COLLEAGUES,

The LTT (lymphocyte transformation test) is a controversial test as it detects a T cell stimulation, which was not explainable by “normal” immunology. Nevertheless, it was the basis of the successful work on mechanism on drug hypersensitivity in Bern, by which we inter alia solved the problem how drugs can stimulate T cells directly (p-i concept), described the multiple drug hypersensitivity syndrome (MDH) and addressed many other questions in drug hypersensitivity (>240 publications).

In this jubilee meeting we are not only celebrating 20 years of ADR-AC and 45 years of LTT but can proudly add a new jubilee: we recently finished the 10.000th Cytokine-based Lymphocyte Transformation Test (Cyto-LTT). This cyto-LTT is not only a big step forward in drug allergy diagnosis, but also a source of new insights in drug hypersensitivity:

- a) The cyto-LTT not only allows to measure whether a reaction has taken place, but also how strong the reaction was, which is decisive for the clinic. DReSS is a severe drug hypersensitivity, while most exanthems are due to mild to moderate T cell stimulations.
- b) We present data how the type of drug influences the pattern of cytokine secretion – meaning that a DReSS elicited by a sulfonamide is different from a DReSS elicited by a beta-lactam or vancomycin.

There is also some news from immediate reactions:

- c) Prof J. Szebeni will address unusual immune reaction (CARPA) to unusual antigens, a growing problem in clinic and with liposomes and/or biologicals.
- d) Many patients with anaphylaxis do not remember a previous exposure. They nevertheless show a fulminant IgE mediate degranulation and symptoms. Our data show that Covid-vaccination may have induced IgE to PEG, which was injected in the context of another therapy.

Workshop in the morning

The intention is to address practical issues on drug hypersensitivity and its diagnosis.

———→ Bring your cases.

If you would like to discuss an individual case, you may discuss it beforehand with D. Yerly, O.

Hausmann or W. Pichler; please send a short summary before April 15th, 2027, to: adr-ac@hin.ch

Symposium in the afternoon

In the afternoon we will have eight talks and a round table on relevant topics covering classification, diagnosis, and clinic of drug hypersensitivity.

Location

Welle 7 at the Train Station, Bern

Registration

Please register by mail (adr-ac@hin.ch). Please reserve your slot in the workshops (number of participants for the workshop is limited to 50 participants). First come, first serve!

Costs

According to §33 HMG a contribution is required for participation (prices include coffee and lunch):

CHF 60.– *for workshop or symposium alone*

CHF 100.– *for whole day (workshop and symposium)*

Credits

SGAI/SSAI 7 credits, **SGDV** 7 credits, **FAMH** 6 credits, **SGKPT** 7 credits, **SGAIM** 7 credits



PROGRAMME

Both Symposium and Workshops will be held in **English**. Questions in French, German or Italian are of course welcome.

WELCOME

08.30-09.00 Registration and Coffee

UNDERSTANDING DRUG HYPERSENSITIVITY TESTING

Interactive Workshops (held twice in parallel)

We will discuss cases of immediate and delayed Hypersensitivity from interesting and puzzling cases of the past 20 years*. Learn how to interpret your test results! (intended for FMH & FAMH candidates)

09.00-10.15 and 10.45-12.00	Workshop A: IgE / Mast Cells / Basophils/ CARPA Oliver Hausmann, Vito Sabato, Kevin Kammermann, Janos Szebeni
50 participants max per session	Workshop B: T-Cells Mediated Reactions Lester Thoo, Werner J. Pichler, Thomas Harr, Daniel Yerly
	* Cases & Posters from participants : to include your own case, please send it in advance to adr-ac@hin.ch
12.00-13.00	Lunch break, visit of exhibition and posters, personal exchange

QUANTIFICATION OF DRUG HYPERSENSITIVITY REACTIONS (DHR)

(Symposium)

13.00-13.20	ADR-AC: the idea, goals, achievements and future	
Welle 7 - Main Hall	20 years of ADR-AC, 45 years of LTT, >10.000 cyto-LTT: lessons learned An overview by Werner J. Pichler, Daniel Yerly and Oliver Hausmann	
13.20-15.15	Cellular Immunology: T-Cells (Chair T. Harr)	
13:20-13:45	DRESS – The Prototype of a Strong Immune Reaction	Werner J Pichler
13:45-14:10	Grading the severity of DHR by in-vitro assays	L. Thoo/T. Peyer
14:10-14:35	Distinguishing DHR by its cytokine pattern	D. Yerly/L. Thoo
14:35-15:00	Mild reactions & de-labeling – can lab tests contribute?	Thomas Harr
15:00-15:15	Discussion	
15:15-15:45	Intermission / Pause / Posters	
15.45–17.30	Immediate Reactions: IgE, Basophils/Mast cells, CARPA (Chair O. Hausmann)	
15.45-16:20	CARPA: clinic and detection	Janos Szebeni
16.20-16.45	BAT with PEG – hidden allergen and unexpected side-effects of COVID vaccination	Daniel Yerly
16:45-17.10	One assay for immediate and delayed reactions	Vito Sabato
17:10-17:25	Ratio spec IgE/total IgE: meaning, examples	Oliver Hausmann
17:25-17:30	Discussion and round-up, closing of the Symposium	

17:30-19:00 **ADR-AC's birthday Apero Riche**

→ **Summary and conclusions** will be sent to participants after the Symposium.

INFORMATION

Date/Time

Thursday,
22.04.2027
09.00-17.30

Location

Welle 7
Schanzenstrasse 5
3008 Bern

*Welle 7 is at the western end
of the departure platform of
the Bernese main station.*

Participation fee

(in accordance with §33 HMG)

CHF 60.–

Workshop or symposium only

CHF 100.–

Whole day (workshop + symposium)

UBS IBAN: CH26 0023 5235 6945 2501 U

Organisation

ADR-AC GmbH
Holligenstrasse 91, 3008 Bern
Tel. 031-3718640
www.adr-ac.ch

Registration

By mail on adr-ac@hin.ch

Sponsors

Biogroup, Analiza, Takeda,
AstraZeneca, Sanofi
...more to come

Speakers

*Prof Dr med **Werner Pichler**, ADR-AC GmbH Bern, BE*

*Dr pharm **Daniel Yerly**, ADR-AC GmbH Bern, BE*

*Dr med **Oliver Hausmann**, Löwenpraxis, LU, Klinik St. Anna Luzern LU, ADR-AC GmbH Bern, BE*

*PD Dr med **Thomas Harr**, Responsable d'unité, Service d'immunologie et d'allergologie, HUG, GE*

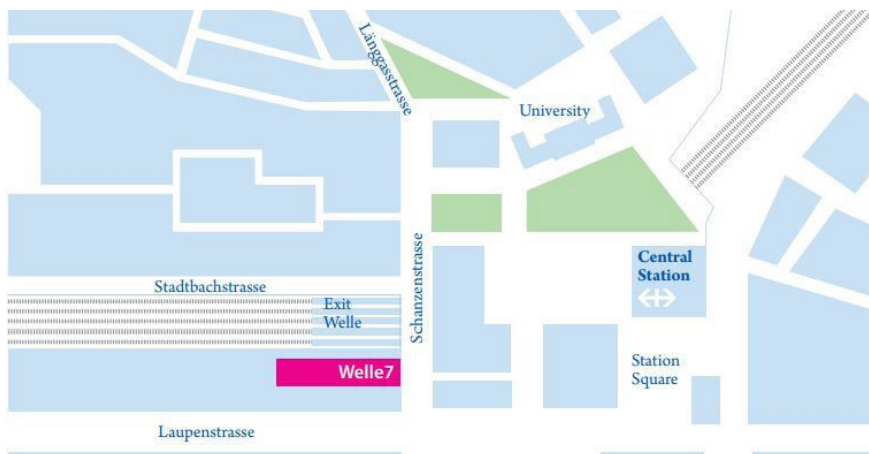
*Prof Dr med **Vito Sabato**, Immunology, Allergy, Rheumatology Dept., Univ. Hospital Antwerp, Belgium*

*Prof Dr med **Janos Szebeni**, General Director, Nanomedicine Research. & Edu., Semmelweis Univ., Hungary*

*Ms Sc **Kevin Kammermann**, ADR-AC GmbH Bern, BE*

*Dr med **Tim Peyer**, ADR-AC GmbH Bern, BE*

*Dr phil **Lester Thoo**, ADR-AC GmbH Bern, BE*



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