



EMCHD 2022 • 18TH European Meeting
on Complement in Human Disease
Bern Switzerland • 26.-29.08.2022



PROGRAM

2022

**18th
EUROPEAN MEETING ON
COMPLEMENT IN
HUMAN DISEASE**

Search function:
Press Ctrl+F

WELCOME NOTE

Dear colleagues,

We warmly welcome you to Bern, the beautiful Capital of Switzerland, for the 18th European Meeting on Complement in Human Disease (EMCHD), from August 26-29, 2022!

Due to the COVID-19 pandemic, this will be the first international complement meeting to happen on-site for almost 3 years. And this meeting takes place while a bloody war is going on in Europe, killing thousands of people and ruining the lives of millions. These sad circumstances once again highlight the importance of the advancement of science to 'ease the burden of human existence', as Bert Brecht once pointed out, and of international solidarity, mutual support and understanding across borders and nations.

It is in this spirit that we – on behalf of the European Complement Network – look forward to meeting colleagues from all over the world and to foster scientific advancement in the field of complement to fight human disease.

See you in Bern at the EMCHD 2022!

Robert Rieben
Daniel Ricklin
Marten Trendelenburg
Verena Schröder
Sacha Zeerleder
Uyen Vo

and the team of The Meeting Planners

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COMMITTEE & BOARDS

LOCAL ORGANIZING COMMITTEE



Prof. Dr. Robert Rieben

Department for BioMedical Research
University of Bern



Prof. Dr. Daniel Ricklin

Department of Pharmaceutical Sciences
University of Basel



Prof. Dr. Marten Trendelenburg

Division of Internal Medicine and Laboratory
for Clinical Immunology
University Hospital Basel



Prof. Dr. Verena Schroeder

Department for BioMedical Research
University of Bern



Prof. Dr. Sacha Zeerleder

Department of Hematology, Division of
Internal medicine, Kantonsspital Lucerne
and University of Berne



Uyen Vo

Conference Secretary
Department for BioMedical Research
University of Bern

ECN BOARD

President:

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Division of Hygiene &
Medical Microbiology
Department of Hygiene,
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Health, Medical
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Austria

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Christoph Schmidt
Germany

Institute of
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Treasurer:

Simon Clark
United Kingdom

Institute for Ophthalmic
Research, Eberhard
Karls University of
Tübingen
Elfriede-Aulhorn-Straße
7, D-72076 Tübingen
Germany

ECN BOARD MEMBERS

Bo Nilsson, Sweden

Department of Chemistry and Biomedicine,
Linnaeus University, Kalmar, Sweden.

Nicole Thielens, France

University of Grenoble Alpes, Institut de
Biologie Structurale, Grenoble

Marten Trendelenburg, Switzerland

Department of Biomedicine, University
Hospital, Basel

Elena Volokhina, The Netherlands

Department of Pediatric Nephrology,
Radboud University Medical Center,
Nijmegen

Elena Goicoechea de Jorge, Spain

Department of Microbiology, Complutense
University School of Medicine, Madrid

Mihály Józsi, Hungary

Department of Immunology, ELTE Eötvös
Loránd University, Budapest

Per Nilsson, Norway

Department of Immunology, Oslo
University Hospital, University of Oslo,
Oslo

Mikkel-Ole Skjødt, Denmark

Institute of Immunology and Microbiology,
University of Copenhagen, Copenhagen



GENERAL INFORMATION

ABSTRACT BOOK

The abstract book can be downloaded from the website from August 22. A notification will be sent to all delegates once the file is available.

POSTER SESSION

Saturday, August 27, 2022 - Odd abstract numbers.

Sunday, August 28, 2022 - Even abstract numbers.

Poster mounting: August 27 from 7.30

Dismantle: August 29 from 14.00

WI-FI LOGIN

- If you have eduroam installed on your computer or mobile devices, WLAN connection will be automatic.

- Choose the network: public-unibe. You will be automatically redirect to mpp.unibe.ch.

- Choose: Request a temporary access code by SMS - Enter mobile number and code: nngc-uwsj (Foreign guests must include the country code)

VENUE

Campus vonRoll, University of Bern, Fabrikstrasse 6-8, 3012 Bern

All scientific sessions take place at Auditorium 001, Building Fab6

Poster: Hintere Gasse, Building Fab8

Exhibition, lunch, coffee: Vordere Gasse Building Fab8

LUNCH & REFRESHMENTS

Lunch and coffee breaks are included in the registration fee and will be served in the exhibition area. The serving times can be found in the detailed program.

PRESENTATIONS

Presenter should save the presentation file(s) on USB stick or external HD and bring the stick/HD to the meeting room where he/she will present (please refer to the final program).

The format of your presentation should be 16/9 and Powerpoint. There will be student helpers in each of the meeting rooms to receive and upload the files. Presenters are requested to deliver the files latest at the break before the presenting session - for example: if there is only a lunch break before your session at 16:00, then the file needs to be delivered latest during this lunch break.

BADGES

Name badge should be picked up at the registration desk and is required for accessing lectures, lunch and coffee servings, exhibition area and social events. Please wear your name badge throughout the conference.

ATTENDANCE CERTIFICATES

Participants will receive their Certificates of Attendance by email after the congress.

REGISTRATION DESK OPENING HOURS

Friday, August 26: 07:00-14:30	Saturday, August 27: 07:00-17:30	Sunday, August 28: 07:00-16:00	Monday, August 29: 07:00-15:00
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CONGRESS AGENCY & BERN WELCOME

The Meeting Planners: Phone: (+45) 60217421 - E-mail: reg@meetingplanners.dk

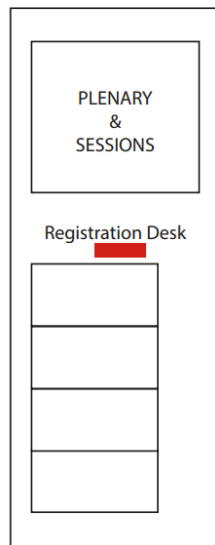
For questions about hotel accommodation: Bern Welcome - Phone: (+41) 313281260

E-mail: meetings@bern.com

FLOOR PLAN & EXHIBITION AREA



Exhibitions:	
A: 2 x 5 m ² (Reserved)	E: 2 x 2 m ² (Apellis)
B: 2 x 3,5 m ² (Quidel)	F: 2 x 2 m ²
C: 3 x 3 m ²	G: 2 x 2 m ²
D: 2 x 3 m ² (SVAR)	H: 2 x 2 m ² (Hycult Bio)



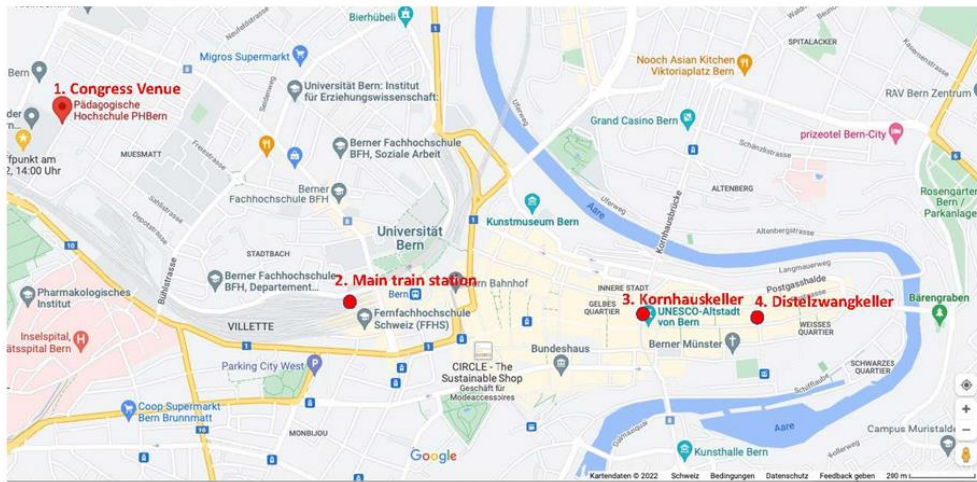
OTHER INFORMATION

CITY INFORMATION

The city of Bern, a UNESCO world heritage, is the capital of Switzerland and, including the surrounding urban area, has approximately 400.000 inhabitants.

The city offers state-of-the-art facilities for congresses, seminars and evening functions. Thanks to the historic charm of Bern and because of its proximity to the Swiss Alps, an attractive social program with exciting leisure activities can complement any main event.

Visit one of the panoramic peaks in the nearby Bernese Oberland, see how the famous Emmental cheese is produced at a show dairy or take a stroll through the covered arcades of the medieval old town. There is something for everyone here.



1. Congress Venue: Fabrikstrasse 6 & 8, 3012 Bern

3. Kornhauskeller: Kornhauspl. 18, 3011 Bern

2. Bern Train station

4. Distelzwangkeller: Gerechtigkeitsgasse 79, 3011 Bern

EMERGENCY CONTACTS

Ambulance: 144
Police: 117 & 112

Bern Police: +4131 638 81 11
Fire Brigade: 118

COVID TEST CENTER

In Bern: <https://www.viselio.com/en/home>

At Zürich Airport: you can find via this homepage: <https://www.flughafen-zuerich.ch/en/passengers/news/corona/general-information> or <https://www.viselio.com/en/home>



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SOCIAL PROGRAM

AUGUST 26, 2022, 15:00-17:00

City Tour.

Duration: 2 hours

Meeting Point: In front of the Clock Tower

Pax: Max. 20 persons per group

Language: English

Costs: CHF 45.00/person/2 hours.

The price includes 7,7% VAT.

Booking: via conference registration form



AUGUST 26, 2022, 18:00-20:00

Welcome reception at Kornhauskeller.

Price: free of charge for conference delegates

Address: Kornhauspl. 18, 3011 Bern



AUGUST 27, 2022, 19:00-22:00

Chair & Board Dinner at Distelzwangkeller

Access per invitation, by LOC

Address: Gerechtigkeitsgasse 79, 3011 Bern

Dress code: Casual



AUGUST 28, 2022, FROM 16:45 (DINNER STARTS AT 19:00)

Our conference dinner will take place in Lake of Lucerne, one of the most beautiful lakes in Switzerland.

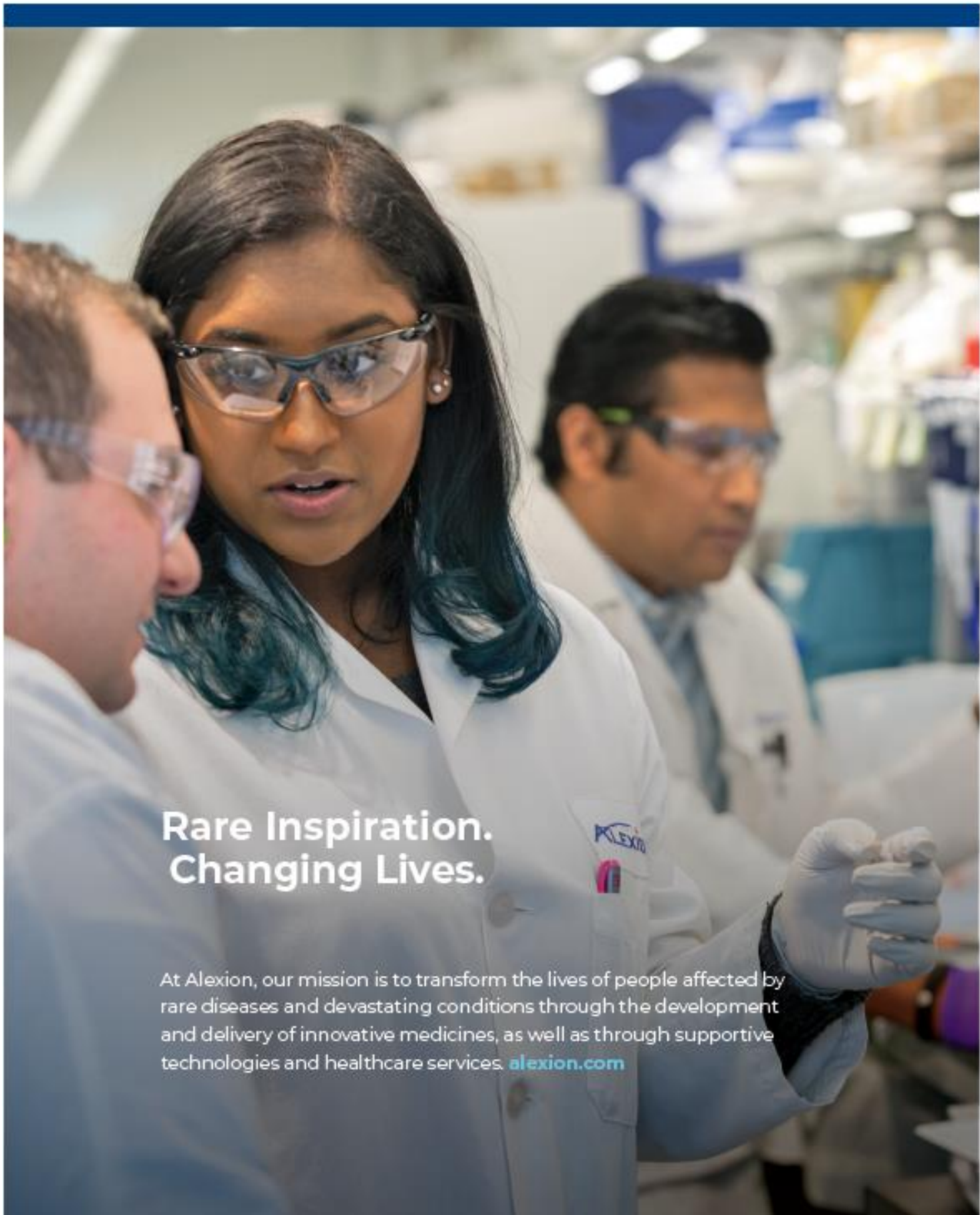
Meeting point: Outside of University of Bern Campus vonRoll at 16:45.

Time: Meet for bus transfer at 16:45 and arrive in Lucerne at approximately 19:00. We will have the dinner onboard while cruising Lake of Lucerne (19:00-22:00). We will return by bus transfer and the estimated arrival time in Bern is 24:00.

Price: CHF 35 per delegate; CHF 125 for the accompanying guest (paid during registration)

Dress code: Casual





Rare Inspiration. Changing Lives.

At Alexion, our mission is to transform the lives of people affected by rare diseases and devastating conditions through the development and delivery of innovative medicines, as well as through supportive technologies and healthcare services. [alexion.com](https://www.alexion.com)

SCIENTIFIC PROGRAM

FRIDAY, AUGUST 26, 2022 – TEACHING DAY & EXCURSION

Part 1: Overview lectures – Auditorium 001, Building Fab6

These lectures are open to everyone, no special registration needed

08.30 – 09.00	Coffee & croissants
09.00 – 09.05	WELCOME AND INTRODUCTION <i>Daniel Ricklin, Verena Schroeder</i>
09.05 – 09.25	OVERVIEW OF THE COMPLEMENT SYSTEM AND ITS CANONICAL ROLES IN HOST DEFENSE AND HOMEOSTASIS <i>Tom Mollnes</i>
09.25 – 09.45	NON-CANONICAL COMPLEMENT FUNCTIONS AND CROSSTALK WITH OTHER DEFENSE SYSTEMS <i>Leendert Trouw</i>
09.45 – 10.05	COMPTOTYPE & COMPLEMENTOPATHIES: COMPLEMENT AS LONG-TERM DISEASE CONTRIBUTOR <i>Claire Harris</i>
10.05 – 10.25	COMPLEMENT IN ACUTE-PHASE DISORDERS WITH A FOCUS ON BACTERIAL INFECTIONS AND SEPSIS <i>Suzan Rooijackers</i>
10.25 – 10.45	COMPLEMENT AS TARGET FOR THERAPEUTIC INTERVENTION <i>Daniel Ricklin</i>
10.45 – 11.00	PRESENTATION OF ECCO (EARLY-CAREER COMPLEMENTOLOGISTS) <i>Nicole Schäfer (Video)</i>
11.00 – 11.30	Coffee break and exhibition

COLD AGGLUTININ DISEASE IS ABOUT MORE THAN AVOIDING THE COLD,

C1-ACTIVATED HEMOLYSIS CAN HAVE SEVERE CONSEQUENCES

CAD is a rare, chronic, autoimmune hemolytic anemia that could put patients at risk^{1,2}

67% of patients with CAD who received unapproved therapy had a severe anemia event within the first 6 months^{3*}

62% higher incidence of thromboembolic events found in US patients with CAD^{4†}

Additional studies are needed to further understand the risks associated with CAD.

Learn more about Cold Agglutinin Disease (CAD) at www.understandCAD.com

*Data collected from 18 patients with at least 6 months of follow-up after initial therapy in a retrospective review of a healthcare database. †In a sensitivity analysis of a retrospective claims-database study of US patients with CAD (n=425) vs a matched non-CAD population (n=4126), 26.8% (n=114/425) of patients with CAD experienced a TE vs 16.5% (n=680/4126) in the comparison cohort. aHR (95% CI): 1.80 (1.46-2.22). Because the primary analysis included patients with both CAD and CAS, this sensitivity analysis was performed to evaluate the estimated risk of TEs among patients presumed to have CAD specifically. 183 and 1747 patients from the initial CAD and matched cohorts, respectively, were excluded due to the presence of diagnostic codes known to be associated with CAS. aHR=adjusted hazard ratio; CAD=Cold Agglutinin Disease; CAS=cold agglutinin syndrome; TE=thromboembolic event.

References: 1. Berentzen S, Besike K, Tjernfeldt GE. Primary chronic cold agglutinin disease: an update on pathogenesis, clinical features and therapy. *Hematology*. 2007;12(5):361-370. 2. Mullins M, Jiang X, Bylsma LC, et al. Cold agglutinin disease burden: a longitudinal analysis of anemia, medications, transfusions, and health care utilization. *Blood Adv*. 2017;1(13):833-848. 3. Broome CH, Cunningham JM, Mullins M, et al. Increased risk of thrombotic events in cold agglutinin disease: a 10-year retrospective analysis. *Res Pract Thromb Haemost*. 2020;4(4):628-635.

All the references can be obtained from Sanofi upon request.
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Part 2: Workshops

The workshops are intended for PhD students and junior researchers in the field.

Registration is required and participants indicate **two topics** of their choice.

Workshops take place at 11:30-12:30, and 12:45-13:45, and each topic is offered twice.

Methodology Topics: Complement methods in research & clinic		Room
1	COMPLEMENT DIAGNOSTICS <i>Zoltan Prohaszka</i>	B005
2	COMPLEMENT GENETICS (COMPLEMENT GENES, GENOTYPING OF COMMON SNPS, ANALYSIS OF "BIG DATA" FROM SEQUENCING) <i>Santiago Rodriguez de Cordoba</i>	B007
3	COMPLEMENT METHODS FOR THE RESEARCH LAB <i>Christoph Schmidt</i>	B101
4	ANIMAL MODELS IN COMPLEMENT RESEARCH <i>Jörg Köhl</i>	B008
5	METHODS INVOLVING COMPLEMENT AND IMMUNE CELLS <i>Christian Karsten</i>	B102
Bench-to-bedside topics with a more clinical focus		
6	COMPLEMENT IN RENAL DISORDERS <i>Marina Noris only at 12:45-13:45</i>	B201
7	COMPLEMENT IN HEMOLYTIC DISORDERS <i>Sacha Zeerleder only at 11:30-12:30</i>	B202
8	COMPLEMENT IN CANCER <i>Lubka Roumenina</i>	B301
9	COMPLEMENT IN HUMAN DISEASE – THE CLINICIAN'S PERSPECTIVE <i>Marten Trendelenburg</i>	B302
10	COMPLEMENT IN TRANSPLANTATION, ISCHEMIC & THROMBOINFLAMMATORY CONDITIONS <i>Kristina Nilsson Ekdahl, Bo Nilsson</i>	B306
13.45 – 14.45	Lunch	
14.30 – 15.30	ICS Board Meeting Meeting room B005	
18.00 – 20.00	WELCOME RECEPTION AT KORNHAUSKELLER Welcome address: <i>Prof. Christian Leumann, Rector University of Bern</i>	

SATURDAY, AUGUST 27, 2022 – EMCHD MEETING

07.30 – 08.00	Coffee & croissants
08.00 – 08.15	WELCOME ADDRESS <i>Robert Rieben and Reinhard Würzner</i>
08.15 – 09.45	SCIENTIFIC SESSION I: STRUCTURE & FUNCTION Chairs: Nicole Thielens, Richard Pouw
08.15 – 08.30	10 HIGH-RESOLUTION IMAGING OF COMPLEMENT MOLECULES ON GRAM-NEGATIVE BACTERIA <i>Dani Heesterbeek, Johannes Schneider, Kok van Kessel Dennis, Doorduijn, Bart Bardoel, Jos van Strijp, Marek Basler, Suzan Rooijackers</i>
08.30 – 08.45	75 STRUCTURAL INSIGHTS INTO THE HEXAMERIC FORM OF THE IGM FC-CORE DOMAIN AND ITS BINDING CHARACTERIZATION TO C1Q <i>Andrea J. Pinto, Leandro Estrozi, Isabelle Bally, Anne Chouquet, Véronique Rossi, Guy Schoehn, Nicole Thielens, Christine Gaboriaud, Wai Li Ling, Jean-Baptiste Reiser</i>
08.45 – 09.00	54 FUNCTIONAL CONSEQUENCES OF MISSENSE MUTATIONS AT POSITION 263 IN COMPLEMENT C2 PROTEIN <i>Alicja Kuźniewska, Marcel Thiel, Daria Kowalska, Stanisław Oldziej, Emilia Ajrona, Santiago Rodriguez de Córdoba, Marcin Okrój, Aleksandra Urban</i>
09.00 – 09.15	119 RECOGNITION OF POST-TRANSLATIONAL LYSINE MODIFICATIONS BY THE LECTIN PATHWAY INITIATOR FICOLIN 3 <i>Linnea Lindelöf, David Eikrem, Kristina Nilsson Ekdahl, Peter Garred, Bo Nilsson, Oskar Eriksson</i>
09.15 – 09.30	183 MODULATION OF THE CLASSICAL COMPLEMENT PATHWAY BY FACTOR H-RELATED PROTEINS <i>Hani Hashim Hammad, Alexandra Papp, Ádám I. Csincsi, Barbara Uzonyi, Anna Blom, Józsi Mihály</i>
09.30 – 09.45	116 CRYSTAL STRUCTURE OF THE FACTOR H DOMAINS 8-14 UNCOVERS THE SIGNIFICANCE OF THE CENTRAL DOMAINS FOR THE DISCRIMINATION BETWEEN SELF AND NONSELF BY FACTOR H <i>Christoph Schmidt, Arthur Dopler, Dierk Niessing, Thomas Monecke</i>
09.45 – 10.15	Coffee break, Posters and Exhibition
10.15 – 11.00	KEYNOTE SPEECH I Introduction by Sacha Zeerleder DEVELOPMENT OF CYCLIC PEPTIDE INHIBITORS OF FXII AND OTHER PLASMA PROTEASES BY PHAGE DISPLAY <i>Prof. Christian Heinis, Swiss Federal Institute of Technology, Lausanne</i>
11.00 – 12.30	POSTER VIEWING SESSION I All topics: odd poster numbers. <i>Posters will be displayed during the whole congress</i>
12.30 – 14.00	Standing lunch, Exhibition

13.00 – 13.40	<p>CSL BEHRING SYMPOSIUM Introduction by Rolf Spirig</p> <p>TARGETING COMPLEMENT AND OTHER PATHWAYS IN KIDNEY ISCHEMIA-REPERFUSION INJURY</p> <p><i>Prof. Peter Cowan, St. Vincent's Hospital, Melbourne</i></p>
13.00 – 14.00	<p>ECN Board Meeting Meeting room B005, Building Fab8</p>
14.00 – 16.30	<p>SCIENTIFIC SESSION II: CROSSTALK & NONCANONICAL FUNCTIONS</p> <p>Chairs: Lubka Roumenina, Verena Schroeder</p>
14.00 – 14.15	<p>49 ISOFORM-SPECIFIC BINDING OF APOLIPOPROTEIN E TO COMPLEMENT FACTOR H ALTERS AMYLOID-B-MEDIATED NEUROTOXICITY IN VITRO AND IN VIVO <i>Larisa Chernyaeva, Giorgio Ratti, Laura Teirilä, Uni Rankka, Satoshi Fudo, Anssi Pelkonen, Paula Korhonen, Katarzyna Leskinen, Salla Keskitalo, Kari Salokas, Christina Christodouloupoulou, Katrina Crompton, Markku Varjosalo, Tarja Malm, Ville Leinonen, Angelika Chroni, Päivi Saavalainen, Seppo Meri, Adam Wollman, Eija Nissilä, Karita Haapasalo</i></p>
14.15 – 14.30	<p>76 COMPLEMENT AND HAEMOSTASIS: EFFECTS OF COMPLEMENT INHIBITORS IN A MICROFLUIDIC BLEEDING MODEL <i>Murielle Golomingi, Jessie Kohler, Christin Lamers, Richard Pouw, Daniel Ricklin, Elaiissa Trybus Hardy, Wilbur Lam, Verena Schroeder</i></p>
14.30 – 14.45	<p>112 IN HUMAN MICROVASCULAR ENDOTHELIAL CELLS (HMEC-1) C5A/C5AR1 INDUCES VON WILLEBRAND FACTOR (VWF) RELEASE FROM WEIBEL-PALADE BODIES (WPBS) VIA ADENYLYL-CYCLASE ACTIVATION <i>Sistiana Aiello, Sara Gastoldi, Miriam Galbusera, Ariela Benigni, Giuseppe Remuzzi, Marina Noris</i></p>
14.45 – 15.00	<p>43 CELL-INTRINSIC C3 MEDIATES PANCREATIC BETA-CELL SURVIVAL IN INFLAMMATORY AND CELL STRESS CONDITIONS <i>Ben King, Klaudia Kulak, Marina Mackay, Lucie Colineau, Anna Blom</i></p>
15.00 – 15.15	<p>82 ALTERNATIVE SPLICING ENCODES INTRACELLULAR CD59 ISOFORMS WHICH MEDIATE INSULIN SECRETION, ARE DOWNREGULATED IN DIABETES, AND INTERACT WITH DNA, SUGGESTING INVOLVEMENT IN GENE TRANSCRIPTION REGULATION <i>Ewelina Golec, Alexander Ekstrom, Maciej Noga, Muhmmad Omar Hmeadi, Per-Eric Lund, Bruno Villoutreix, Ulrika Krus, Katarzyna Wozniak, Olle Korsgren, Erik Renström, Sebastian Barg, Ben King, Anna Blom</i></p>
15.15 – 15.30	<p>101 ANAPHYLATOXIN RECEPTORS REGULATE THE DIFFERENTIATION AND FUNCTION OF DENDRITIC CELLS SUBSETS FROM BONE MARROW-DERIVED PRECURSORS <i>Alicja Anna Nowacka, Sven Geisler, Chandrashekhhar Pasare, Jörg Köhl</i></p>
15.30 – 16.00	Coffee break

16.00 – 16.45	CURRENT TOPICS I: COVID-19 Speaker: Michael Osthoff <i>Moderator: Marten Trendelenburg</i>
16.45 – 17.30	SCIENTIFIC SESSION III: AUTOIMMUNE DISEASE Chairs: Marten Trendelenburg, Anna Blom
16.45 – 17.00	29 POST-TRANSLATIONALLY MODIFIED PROTEINS BIND AND ACTIVATE COMPLEMENT LEADING TO INCREASED CELLULAR BINDING AND UPTAKE <i>Michelle van den Beukel, Stef van der Meulen, Lu Zhang, Nicole Borggreven, George Janssen, Peter van Veelen, Leendert Trouw</i>
17.00 – 17.15	86 C5AR2 DEFICIENCY AMELIORATES INFLAMMATION IN MURINE EPIDERMOLYSIS BULLOSA ACQUISITA BY REGULATING C5A- AND FCGR-MEDIATED FUNCTIONS OF NEUTROPHILS <i>Daniel Seiler, Marie Kleingarn, Katja Kähler, Tilo Freiwald, Jack Bibby, Caroline Gruner, Jovan Schanzenbacher, Elvira Ehlers-Jeske, Samyr Kenno, Christian Sadik, Enno Schmidt, Katja Bieber, Behdad Afzali, Jörg Köhl, Ralf Ludwig, Claudia Kemper, Christian Karsten</i>
17.15 – 17.30	124 A COMPLEMENT C3-NANOBODY INHIBITS THE AP CONVERTASE STABILIZATION MEDIATED BY ANTI-C3BBB AUTOANTIBODIES IN C3 GLOMERULOPATHY <i>Julia Roquigny, Veronique Frémeaux-Bacchi, Gregers Andersen, Lubka Roumenina, Seppo Meri, Marion Mandavit, Sophie Chauvet, Marie-Agnès Dragon-Durey</i>
19.00 – 22.00	LOC, Chair & Board Dinner, Distelzwangkeller, Gerechtigkeitsgasse 79, 3011 Bern

SUNDAY, AUGUST 28, 2022 – EMCHD MEETING

07.30 – 08.00	Coffee & croissants
08.00 – 09.30	SCIENTIFIC SESSION IV: THERAPEUTICS Chairs: Christoph Schmidt, Christina Lamers
08.00 – 08.15	45 IN VIVO INHIBITION OF ALTERNATIVE PATHWAY ACTIVITY VIA MASP-3 INHIBITOR OMS906 <i>Jason Cummings, Yi Li, Kathy Shaffer, Jeremy Freeman, Munehisa Yabuki, Thomas Dudler</i>
08.15 – 08.30	169 A POTENT, TARGETED, ENZYME-LIKE INHIBITOR OF ALL THREE COMPLEMENT ACTIVATION PATHWAYS <i>Arthur Dopler, Sophia Lang, Amira Akilah, Markus Huber-Lang, Christoph Schmidt</i>
08.30 – 08.45	130 THERAPEUTIC TARGETING OF FACTOR H TO INJURED TISSUES THROUGH LINKAGE WITH ANTI-C3D MAB DELIVERS POTENT AND DURABLE COMPLEMENT INHIBITION IN SKIN WITHOUT INHIBITING SYSTEMIC COMPLEMENT <i>Fei Liu, Sarah Ryan, Kelly Fahnoe, Jennifer Morgan, Purvi Mande, Shuyun Xu, Christine Lian, Katja Bieber, Enno Schmidt, Admar Verschoor, Ralf Ludwig, Joshua Thurman, Michael Holers, Shelia Violette, Stefan Wawersik</i>
08.45 – 09.00	173 CHARACTERIZATION OF A NOVEL SMALL INTERFERING RNA FOR COMPLEMENT REGULATION THROUGH TARGETED SILENCING OF C3 <i>Erik Richardson, Tara Barbour, Andrew Carvalho, Antoinette Hayes, Joshua Garlich, Kathrin Hultsch, Soham Mandal, Stephan Seiffert, Jochen Deckert, Anke Geick, Hans-Peter Vornlocher, David Eyerman, Lukas Scheibler</i>
09.00 – 09.15	147 DESIGN AND EVALUATION OF C3 INHIBITORS OF THE COMPSTATIN FAMILY WITH PROLONGED TARGET RESIDENCE TIME <i>Christina Lamers, Hughes Sarah, Ranillo Resuello, John Lambris, Daniel Ricklin</i>
09.15 – 09.30	126 PHARMACOKINETICS/PHARMACODYNAMICS OF KP104, A BI-FUNCTIONAL ANTIBODY FUSION PROTEIN INHIBITOR OF COMPLEMENT, IN C5/FCRN-HUMANIZED TRANSGENIC MICE AND CYNOMOLGUS MONKEYS <i>Jay Ma, Xiang Gao, Takashi Miwa, Damodar Gullipalli, Sayaka Sato, Wenchao Song, Xihua Zhu, Jianjun Zhang, Chaomei He, Helen HFu, Richard Lee, Frederick Beddingfield, Wenru Song, Ping Tsui</i>
09.30 – 10.00	Coffee break, Posters and Exhibition
10.00 – 10.45	KEYNOTE SPEECH II Introduction by Robert Rieben DECODING THE ROLES OF ENDOTHELIAL CELL HETEROGENEITY AND COMPLEMENT SYSTEM IN DISEASES AND REGENERATIVE MEDICINE BY SINGLE CELL AND SPATIALLY RESOLVED TRANSCRIPTOME ANALYSIS Speaker: Prof. Yonglun Luo, Aarhus University, Denmark

10.45 – 11.45	SCIENTIFIC SESSION V: ACTIVATION & REGULATION Chairs: Sacha Zeerleder, Mihaly Jozsi
10.45 – 11.00	181 GRANZYME K ELICITS A NEW PATHWAY FOR COMPLEMENT ACTIVATION <i>Carlos Donado, Helena Jonsson, Michael Brenner</i>
11.00 – 11.15	70 THE CONTRIBUTION OF THE ALTERNATIVE PATHWAY TO COMPLEMENT ACTIVATION DEPENDS ON THE STRENGTH OF CLASSICAL PATHWAY INITIATION <i>Esther de Boer, Astrid Thielen, Jeroen Langereis, Angela Kamp, Mieke Brouwer, Nienke Oskam, Marlieke Jongasma, Robbert Spaapen, Sacha Zeerleder, Richard Pouw, Gestur Vidarsson, Theo Rispens, Diana Wouters, Ilse Jongerius</i>
11.15 – 11.30	151 MOLECULAR CONDITIONS FOR THE ASSEMBLY OF INITIAL C3 AP CONVERTASES FORMED BY NATIVE C3 AT BIOMATERIAL SURFACES <i>Anna Adler, Vivek Anand Manivel, Kristina Nilsson Ekdahl Nilsson Bo, Karin Fromell</i>
11.30 – 11.45	162 QUANTIFICATION OF THE ZYMOGENICITY AND THE SUBSTRATE-INDUCED ACTIVITY ENHANCEMENT OF COMPLEMENT FACTOR D <i>Ráhel Dani, Gábor Oroszlán, Róbert Martinusz, Bernadett Dobos, Evelin Vadas, Péter Závodszky, Péter Gál, József Dobó</i>
11.45 – 13.30	POSTER VIEWING SESSION II All topics: even poster numbers <i>Posters will be displayed during the whole congress</i>
12.00 – 13.30	Standing Lunch, Posters and Exhibition
13.30 – 15.00	SCIENTIFIC SESSION VI: INFECTIOUS DISEASES Chairs: Reinhard Würzner, Suzan Rooijackers
13.30 – 13.45	111 RECOGNITION AND INHIBITION OF SARS-COV-2 BY HUMORAL INNATE IMMUNITY PATTERN RECOGNITION MOLECULES <i>Cecilia Garlanda, Matteo Stravalaci, Isabel Pagani, Elvezia Maria Paraboschi, Sarah Mapelli, Andrea Cavalli, Barbara Bottazzi, Francesco Scavello, Nicasio Mancini, Milos Matkovic, Peter Garred, Rosanna Asselta, Elisa Vicenzi, Alberto Mantovani</i>
13.45 – 14.00	144 AUTOANTIBODIES AND COMPLEMENT ACTIVATION IN BRONCHOALVEOLAR LAVAGE AND TISSUES OF COVID-19 PATIENTS <i>Paolo Macor, Luca De Maso, Stefano Di Bella, Paolo Durigutto, Marcello Manfredi, Erik Roman-Pognuz, Verena Zerbato, Stella Bernardi, Rossana Bussani, Roberto Luzzati, PierLuigi Meroni, Francesco Tedesco</i>
14.00 – 14.15	109 HIV-1 TRANS INFECTION VIA TENTS IS IMPEDED BY TARGETING C5AR <i>Giulia Bertacchi, Doris Wilflingseder</i>

14.15 – 14.30	92 PROMOTING FC-FC INTERACTIONS BETWEEN ANTI-CAPSULAR ANTIBODIES PROVIDES STRONG IMMUNE PROTECTION AGAINST STREPTOCOCCUS PNEUMONIAE <i>Leire Aguinagalde Salazar, Maurits den Boer, Suzanne Castenmiller, Seline Zwarthoff, Carla Gosselaar-de Haas, Piet Aerts, Frank Beurskens, Janine Schuurman, Albert Heck, Kok van Kessel, Suzan Rooijackers</i>
14.30 – 14.45	21 COMPLEMENT MEDIATED KILLING OF KLEBSIELLA PNEUMONIAE IS AFFECTED BY COLISTIN RESISTANCE MUTATIONS <i>Sjors van der Lans, Axel Janssen, Dennis Doorduijn, Willem van Schaik, Bart Bardoel, Suzan Rooijackers</i>
14.45 – 15.00	110 FLICK THE SWITCH – SUBCLASS SWITCHING GENERATES A COMPLEMENT-FIXING MONOCLONAL ANTIBODY THAT INHIBITS MALARIA TRANSMISSION <i>Maartje Inklaar, Roos de Jong, Ezra Bekkering, Rianne Stoter, Marga van de Vegte-Bolmer, Geert-Jan van Gemert, Nicholas Proellochs, Matthijs Jore</i>
15.00 – 15.40	HANS MÜLLER EBERHARD PLAQUE, SVAR AWARDS & ECN MEDALS
15.40 – 16.30	Coffee break, Posters, Exhibition, Networking
16.45	Bus departure to Lucerne from vonRoll campus
19.00 – 22.00	Boarding for the Conference Dinner on the lake of Lucerne, Pier 6
22.00 – 24.00	Bus transfer from Lake Lucerne to Bern

MONDAY, AUGUST 29, 2022 – EMCHD MEETING

07.30 – 08.00	Coffee & croissants
08.00 – 09.00	SCIENTIFIC SESSION VII: NEUROLOGICAL & NON-INFECTIOUS DISEASES Chairs: Diana Pauly, Jörg Köhl
08.00 – 08.15	5 COMPLEMENT RECEPTOR 1 IS EXPRESSED ON BRAIN CELLS AND IMPACTS ROLES OF MICROGLIAL RELEVANT TO ALZHEIMER'S DISEASE <i>Nikoleta Daskoulidou, Bethany Shaw, Megan Torvell, Sarah Carpanini, Paul Morgan</i>
08.15 – 08.30	6 TERMINAL COMPLEMENT PATHWAY ACTIVATION DRIVES SYNAPTIC LOSS IN ALZHEIMER'S DISEASE MODELS <i>Sarah Carpanini, Megan Torvell, Ryan Bevan, Robert Byrne, Nikoleta Daskoulidou, Takashi Saito, Takaomi Saido, Philip Taylor, Timothy Hughes, Wioleta Zelek, Paul Morgan</i>
08.30 – 08.45	100 10 YEARS FOLLOW-UP OF CD59 CONGENITAL DEFICIENCY: NEUROINFLAMMATION, HEMOLYSIS, ECULIZUMAB, RAVULIZUMAB AND POZELIMAB <i>Dror Mevorach, Netanel Karbian, Marian Zeibak, Itamar Altman</i>
08.45 – 09.00	9 MICE WITH HYPER FUNCTIONAL COMPLEMENT DEVELOP AGE-RELATED NON-ALCOHOLIC STEATOHEPATITIS <i>Beth Gibson, Isabel Pappworth, Harriet Denton, Ola Kamala, Fiona Oakley, Alastair Burt, Kevin Marchbank</i>
09.00 – 10.00	SCIENTIFIC SESSION VIII: THROMBOINFLAMMATION Chairs: Robert Rieben, Felix Poppelaars
09.00 – 09.15	166 INFLAMMATORY STIMULI REVEAL A DIFFERENTIAL GLYCOCALYX RESPONSE BETWEEN VENOUS AND ARTERIAL ENDOTHELIAL CELLS LEADING TO DIFFERENCES IN COMPLEMENT DEPOSITION <i>Anastasia Milusev, Michelle Staudenmann, Alain Despont, Jianfang Ren, Robert Rieben, Nicoletta Sorvillo</i>
09.15 – 09.30	165 ACTIVATION OF THE LECTIN PATHWAY OF COMPLEMENT SYSTEM AFTER ISCHEMIC STROKE IN A HUMANIZED MOUSE MODEL EXPRESSING HUMAN MANNANOSE-BINDING LECTIN <i>Stefano Fumagalli, Domenico Mercurio, Alessia Valente, Serena Seminara, Gizem Erol, Gregory Stahl, Maria-Grazia De Simoni, Gianluigi Forloni, Luana Fioriti, Franca Orsini</i>
09.30 – 09.45	2 AIR EMBOLI TRIGGER A COMPLEMENT C3-DEPENDENT THROMBOINFLAMMATION IN HUMAN WHOLE BLOOD AND PIGS <i>Benjamin Stage Storm, Judith Ludviksen, Dorte Christiansen, Hilde Fure, Pettersen Kristin, Anne Landsem, Bent Aksel Nielsen, Knut Dybwik, Corinna Lau, John Lambris, Tonje Braaten, Nielsen Erik Waage, Tom Eirik Mollnes</i>

09.45 – 10.00	78 MODULATION OF THE COMPLEMENT TERMINAL PATHWAY AMELIORATES PERITONEAL INJURIES IN A RAT PERITONEAL DIALYSIS MODEL <i>Masashi Mizuno, Naoki Kamegai, Hangsoo Kim, Paul Morgan, Yasuhiro Suzuki, Sosuke Fukui, Hiroshi Kojima, Wioleta Zelek</i>
10.00 – 10.30	Coffee Break, Posters and Exhibition
10.30 – 12.00	SCIENTIFIC SESSION IX: RENAL DISEASES Chairs: Kevin Marchbank, Elena Goicoechea de Jorge
10.30 – 10.45	121 PROPERDIN DEFICIENCY IS PROTECTIVE IN THE C3 GOF MOUSE MODEL OF AHUS <i>Ola Kamala, Kate Smith-Jackson, Harriet Denton, Tom Cox, Isabel Pappworth, David Kavanagh, Kevin Marchbank</i>
10.45 – 11.00	97 FUNCTIONAL CHARACTERIZATION OF AHUS-ASSOCIATED GENETIC VARIANTS IN THE SERINE PROTEASE DOMAIN OF FACTOR B SUGGESTS A NOVEL MECHANISM TO ENHANCE COMPLEMENT ACTIVATION <i>Héctor Martín Merinero, Yuzhou Zhang, Emilia Arjona Bolaños, Renee Goodfellow, Gonzalo Ligerio, Elena Gomez Rubio, Sonsoles Martín Santamaría, Richard Smith, Santiago Rodríguez de Córdoba</i>
11.00 – 11.15	74 HUMAN COMPLEMENT C3 GAIN-OF-FUNCTION VARIANT IS RESISTANT TO COFACTOR ACTIVITY LEADING TO EXCESSIVE COMPLEMENT ACTIVATION AND RENAL DISEASE <i>Xiaobo Wu, Zheng Hu, Bryn Webb, Dusan Bogunovic, Bruce Gelb, Dennis Hourcade, John Atkinson</i>
11.15 – 11.30	64 C7 BUT NOT C5AR IS ESSENTIAL TO THE DEVELOPMENT OF ATYPICAL HAEMOLYTIC URAEMIC SYNDROME IN THE C3 GAIN-OF-FUNCTION MODEL <i>Kate Smith-Jackson, Patrick Walsh, Ola Kamala, Charlotte Cox, Isabel Pappworth, David Kavanagh, Kevin Marchbank</i>
11.30 – 11.45	115 COPY NUMBER AND SEQUENCE VARIATIONS IN THE FHR1 GENE INFLUENCE COMPLEMENT REGULATION AND COOPERATION WITH COMPLEMENT REGULATORS <i>Luce Perie, Selina Stippa, Andrea Hartmann, Michael Mihlan, Thorsten Wiech, Peter Zipfel</i>
11.45 – 12.00	178 DETECTION OF RENAL C3D DEPOSITION AS A MARKER OF DISEASE ACTIVITY IN LUPUS NEPHRITIS <i>Felix Poppelaars, Brandon Renner, Jennifer Laskowski, Andrew Feemster, Liudmila Kulik, Michael Holers, Joshua Thurman</i>
12.00 – 12.15	Short Break

12.15 – 13.00	CURRENT TOPICS II - FUTURE OF COMPLEMENT ON THERAPEUTICS <i>Speaker: Daniel Ricklin</i> <i>Moderator: Richard Harrison</i>
13.00 – 13.10	ECN GENERAL ASSEMBLY
13.10 – 13.30	Introduction of the next meetings – ICS President, Congress chairpersons of 29 th ICW in 2023 19 th EMCHD in 2024
13.30 – 14.00	TRAVEL AWARDS, POSTER PRESENTATION PRIZES <i>Moderator: Robert Rieben & Reinhard Würzner</i>
14.00	CLOSING CEREMONY- FAREWELL – END OF EMCHD 2022
14.15 – 15.00	Lunch (Lunch bag)
14.30 – 15.55	ECN Board Meeting Meeting room B005, Fab8
14.30 – 15.55	Offered by the CORVOS Program Lecture: “How to make a poster” – Auditorium 001, Fab6 <i>Kali Tal, University of Bern</i>

POSTER EXPO

POSTERS

1	Burt Richards <i>Robert Anstadt, Chris Pappas, Jin Liu, Tana Corsetti, Moussa Zouache, Greg Hageman</i>	QUANTITATIVE TRAIT LOCI INFLUENCING COMPLEMENT FACTOR H-RELATED PROTEIN 4A CONCENTRATION ARE NOT INDEPENDENTLY ASSOCIATED WITH CHROMOSOME 1-DIRECTED AGE-RELATED MACULAR DEGENERATION RISK OR PROTECTION
3	Todor Tschongov <i>Swagata Konwar, Benjamin Fode, Sören Boller, Paulina Dabrowska-Schlepp, Jessika Kleindienst, Karsten Häffner</i>	FUNCTIONAL CHARACTERIZATION OF PASYLATED FORMS OF MOSS PRODUCED HUMAN COMPLEMENT FACTOR H IN VITRO
4	Amanda Heiderscheit <i>M Hall, L Vining, E Goicoechea de Jorge, S Rodriguez de Cordoba, Y Zhang, RJH Smith</i>	ELEVATED FACTOR H-RELATED 1 AND FACTOR H-RELATED 5 ASSOCIATE WITH END STATE KIDNEY DISEASE IN C3 GLOMERULOPATHY
7	Mario Alejandro Duque Villegas <i>Kerstin Walter, Christoph Hölscher, Susanne Homolka, Stefan Niemann, Peter Garred</i>	THE IMPACT OF MBL ON THE OUTCOME OF INFECTION WITH REPRESENTATIVE MYCOBACTERIAL STRAINS OF THE MYCOBACTERIUM TUBERCULOSIS COMPLEX
8	Wioleta Zelek <i>Kate Davies, Rosie Fellows, Matthew Siggins, Eleftheria Kodosaki, Kenneth Baillie, Malcolm Semple, Peter Openshaw, Claire Harris, B. Paul Morgan</i>	COMPLEMENT BIOMARKER PROFILES ACROSS THE SPECTRUM OF DISEASE IN COVID-19 REVEAL ALTERNATIVE PATHWAY DYSREGULATION AS AN EARLY PREDICTOR OF OUTCOME AND MARKER OF SEVERE DISEASE
11	Timo Reiß <i>Hannah I Theis, Joel Vega-Rodriguez, Peter Zipfel, Christine Skerka, Gabriele Pradel</i>	THE ROLE OF PLASMINOGEN FOR RED BLOOD CELL INVASION BY PLASMODIUM FALCIPARUM MEROZOITES
12	Verena Harpf <i>Günter Rambach, Nadia Parth, Magdalena Neuratuer, Verena Fleischer, Cornelia Lass-Flörl, Cornelia Speth, Reinhard Würzner</i>	THE ROLE OF THE COMPLEMENT SYSTEM IN A MURINE MODEL OF DISSEMINATED MUCORMYCOSIS
13	Karolina Smolag-Klosowska <i>Jakub Olszowka, Rebecca Rosberg, Alexander Pietras, Elisabet Marinko, Karin Leandersson, Paul N Barlow, David O'Connell, Myriam Martin, Anna M Blom,</i>	COMPLEMENT FACTOR H PROMOTES SURVIVAL OF REGULATORY T-CELLS VIA INTERACTION WITH THE INDUCIBLE T-CELLS CO-STIMULATOR (ICOS)
14	Felix Müller <i>Timo Reiss, Peter F Zipfel, Christine Skerka, Gabriele Pradel</i>	THE ROLE OF PF92 IN COMPLEMENT EVASION DURING THE INTRAERYTHROCYTIC REPLICATION PHASE OF THE MALARIA PARASITE PLASMODIUM FALCIPARUM
15	Esther de Boer <i>Marit Jalink, Laura Delvasto-Nuñez, Elisabeth M Meulenbroek, Inge Baas, Susanne R Janssen, Edith E. M. van Dijkman, Kyra Gelderman, Diana Wouters, Marije D. Engel, Masja de Haas, Marie José Kersten, Ilse Jongerius, Sacha Zeerleder, Josephine M. I. Vos</i>	PERITRANSFUSIONAL C1-INHIBITOR IN PATIENTS WITH SEVERE COMPLEMENT-MEDIATED AUTOIMMUNE HEMOLYTIC ANEMIA: AN OPEN-LABEL PHASE 2 TRIAL
17	Pedro Miguel Coelho Medeiros <i>Leon Cyranka, Anne Rosbjerg, Camilla Schjalm, Peter Garred, Reinhard Würzner, Tom Eirik Mollnes</i>	COMBINED INHIBITION OF COMPLEMENT (C3/C5) AND THE TOLL-LIKE RECEPTORS CO-FACTOR CD14 IN INFLAMMATION INDUCED BY CANDIDA SPP

18	Lauren Fergus <i>Monica Hall, Gabriella Pitcher, Nicole Meyer, Angela Nelson, Stephanie Houston, Jason Misurac, Yuzhou Zhang, Richard J. H. Smith, Carla M. Nester</i>	PREDICTING POST-TRANSPLANT DISEASE RECURRENCE IN C3 GLOMERULOPATHY
19	Kyra Gelderman <i>Tjalle Dijkstra, Angela Kamp, Richard Pouw</i>	DILUTIONAL LINEARITY ISSUES IN COMPLEMENT ACTIVATION MARKER ASSAYS
22	Hang Zhong <i>Ayman Khattab, Elena Magrini, Cecilia Garlanda, Seppo Meri</i>	ROLE OF PENTRAXIN 3 AND INTERACTION WITH COMPLEMENT IN IMMUNE DEFENCE AGAINST MALARIA
23	Emre Can Tüysüz <i>Chrysostomi Gialeli, Eleni Mourati, Karolina Smolag, Elinn Johansson, Alexander Pietras, Anna M. Blom</i>	TUMOR SUPPRESSOR ROLE OF CSMD1 IN GLIOMAS
24	Lucie Colineau <i>Marina McKay, Malin Fex, Ben King, Anna Blom</i>	INVESTIGATING THE ROLE OF C3 IN TYPE 2 DIABETES ONSET USING MOUSE MODELS
25	Laura Pérez-Alós <i>Karen Molyneux, Bengt Fellström, Jonathan Barratt, Peter Garred</i>	TREATMENT WITH TRF-BUDESONIDE (NEFECON) MODULATES THE COMPLEMENT SYSTEM IN PATIENTS WITH IGA NEPHROPATHY
26	Michael Holers <i>Kevin D. Deane, Jennifer A. Seifert, Colin Strickland, Elizabeth Bemis, B. Paul Morgan, Myles J. Lewis, Costantino Pitzalis, Larry W. Moreland, Nirmal Banda</i>	REGIONAL AND CELL-SPECIFIC IMBALANCE OF COMPLEMENT GENE EXPRESSION AND PROTEINS IN THE SYNOVIAL BIOPSIES FROM EARLY RHEUMATOID ARTHRITIS PATIENTS
27	Maximilian Götz <i>Mikkel-Ole Skjoedt, Rafael Bayarri Olmos, Cecilie Bo Hansen, Laura Pérez-Alós, Ida Jarlhelt Langpapp, Thomas Lars Benfield, Anne Rosbjerg, Peter Garred</i>	LECTIN PATHWAY ENZYME MASP-2 AND DOWNSTREAM COMPLEMENT ACTIVATION IN COVID-19
28	S. Jin <i>Casper Schalkwijk, Simone Eussen, Annemarie Koster, M. Eline Kooi, Martijn Brouwers, Coen Stehouwer, Marleen MJ van Greevenbroek</i>	PLASMA CONCENTRATIONS OF COMPLEMENT C3 PARTLY EXPLAIN THE ASSOCIATIONS OF MEASURES OF ADIPOSITY WITH TYPE 2 DIABETES: THE MAASTRICHT STUDY
30	Per Nilsson <i>Mieke C. Louwe, Annika E. Michelsen, Karolina Skagen, Vigdis Bjerkeli, Pål Aukrust, Per H. Nilsson, Thor Ueland, Tom Eirik Mollnes, Mona Skjelland, Bente E Halvorsen</i>	ALTERNATIVE AND TERMINAL COMPLEMENT PATHWAY ACTIVATION IN PATIENTS WITH CAROTID ATHEROSCLEROSIS
31	Clemens Spitzenberg <i>Anna Gebhard, Christian Griesche, Cornelia Hermann, Kilian Hoecherl, Simon Streif, Diana Pauly, Antje J Baeumner</i>	DEVELOPMENT OF A FUNCTIONAL COMPLEMENT ASSAY BASED ON LIPOSOMES FOR TOTAL COMPLEMENT ACTIVITY DETERMINATION
32	Silke Huber <i>René René Weiss, Viktoria Weber, Reinhard Würzner, Dorothea Orth-Höller</i>	CIRCULATING EXTRACELLULAR VESICLES – A POTENTIAL BIOMARKER FOR VIRAL BUT NOT BACTERIAL SEPSIS?
33	Janti Haj Ahmad <i>Gabriele Köhl, Jörg Köhl, Andreas Klos</i>	GENERATION OF MONOCLONAL ANTIBODIES TARGETING MURINE C5AR2

35	Cornelia Speth <i>Günter Rambach, Julia Faserl, Magdalena Neurauder, Ruben Bellotti, Bernhard Texler, Georg Schäfer, Dietmar Öfner, Reinhard Würzner, Cornelia Lass-Flörl, Manuel Maglione</i>	RELEVANCE OF COMPLEMENT AND MYCOBIOME DYSBIOSIS FOR PROGRESSION OF PANCREATIC CANCER
36	Carla Plüss <i>Christina Lamers, Céline Leiggenger, Stephanie Anita Vogt, Lorella Ciullo, Marco Tschanz, Riccardo Mancuso, Said Rabbani, Daniel Ricklin</i>	INSIGHT INTO THE INTERACTION PROFILES AND FUNCTIONAL MODULATION OF COMPLEMENT-RELATED INTEGRIN RECEPTORS USING AN INTEGRATED SCREENING PLATFORM
37	Aleksandra Blagojevic <i>Kevin Widmer, Peter Rütthemann, Soo Jung Lee, Said Rabbani, Markus Lill, Daniel Ricklin</i>	DEVELOPMENT AND EVALUATION OF A PARASITE-DERIVED MODULATOR TO ATTENUATE ADVERSE HOST DEFENSE RESPONSES
38	Reinhard Würzner <i>Silke Huber, Marco Grasse, Doris Wilflingseder, Jörg Köhl, Stefan Niemann, Christoph Hölscher, Cecilia Garlanda, Anna Blom, Suzan Rooijackers, Seppo Meri, Veronique Premeaux, Peter Garred, Tom Eirik Mollnes, Zoltán Prohászka</i>	CORVOS – FACILITATING MORE PHD STUDENT EXCHANGES AND WORKING TOWARDS A EUROPEAN COMPLEMENT PHD
39	Beatrice Fageräng <i>Corinna Lau, Pedro Miguel Coelho Medeiros, Camilla Schjalm, Karin Ekholm McAdam, Per Nilsson, Peter Garred, Tom Eirik Mollnes,</i>	EVALUATION OF A NOVEL CELL DEPLETION MODEL AND THE CHARACTERIZATION OF CYTOKINE RESPONSE BY INDIVIDUAL CELL POPULATIONS IN THE LEPIRUDIN HUMAN WHOLE BLOOD MODEL
40	Michael Storek <i>Alexander Röth, Sigbjørn Berentsen, Wilma Barcellini, Shirley D'Sa, Bernd Gilma, Marc Michel, Ilene C. Weitz, Masaki Yamaguchi, Jun-ichi Nishimura, Josephine M. I. Vos, Nancy Wong, Parija Patel, Xiaoyu Jiang, Deepthi Vagge, Marek Wardęcki, Frank Shafer, Michelle Lee, Catherine M. Broome</i>	INHIBITION OF COMPLEMENT C1S BY SUTIMLIMAB IN PATIENTS WITH COLD AGGLUTININ DISEASE (CAD): EFFICACY AND SAFETY RESULTS FROM THE RANDOMIZED, PLACEBO-CONTROLLED PHASE 3 CADENZA STUDY
41	Michael Storek <i>Ilene Weitz, Yasutaka Ueda, Frank Shafer, Jun Su, Meredith Foster, Parija Patel</i>	INFLAMMATION AND FATIGUE IN PATIENTS WITH COLD AGGLUTININ DISEASE (CAD): ANALYSIS FROM THE PHASE 3 CARDINAL STUDY
42	Rolf Spirig <i>Ian K Campbell, Fabian Käsermann</i>	RECOMBINANT HUMAN IGG1 FC HEXAMER IS A POTENT MODULATOR OF CLASSICAL PATHWAY ACTIVATION
44	Ben King <i>Damien Bierschenk, Nikolina Papac-Milicevic, Ian Bresch, Serena Bettoni, Mateusz Dziedzic, Susanne Eschenburg, Christoph Binder, Anna Blom</i>	C4B-BINDING PROTEIN INHIBITS PARTICULATE- AND CRYSTAL-INDUCED NLRP3 INFLAMMASOME ACTIVATION
46	Mieke van Essen <i>Emma Peereboom, Nicole Schlagwein, Daniëlle van Gijlswijk-Janssen, Tessa Nelemans, Jivan Joeloem Singh, Jurriën Prins, Simon Clark, Christoph Schmidt, Leendert Trouw, Cees van Kooten</i>	PRODUCTION OF COMPLEMENT REGULATORS FACTOR H AND FHL-1 AND COMPLEMENT STABILIZER PROPERDIN BY HUMAN MACROPHAGES
47	Samyr Kenno <i>Jörg Köhl, Sina Borus, Katja Bieber</i>	THE C5A/C5AR1 AXIS CONTROLS THE EARLY IGM TO IGG SWITCH OF COLLAGEN TYPE VII AUTOANTIBODIES IN EXPERIMENTAL EPIDERMOLYDIA BULLOSA ACQUISITA

48	April Baral <i>Claire Mckinley, Rosie Fellows, Thomas Hallam, Tom Cox, Daniel Payne, Stephen Richards, Alexandra Pike, Richard Kelly, Morag Griffin, Peter Hillmen, Kevin Marchbank, David Kavanagh, Darren Newton, Claire Harris</i>	COMMON VARIANTS IN C3 AND CR1 ENHANCE COMPLEMENT ATTACK ON PNH ERYTHROCYTES AND INCREASE RISK FOR C3-MEDIATED EXTRAVASCULAR HAEMOLYSIS
50	Ishir Bhan <i>Jonathan Barratt, See Cheng Yeo, Anders. J. Fernström, Sean Barbour, C. John Sperati, Russell Villanueva, Ming-Ju Wu, Dazhe Wang, Anna Borodovsky, Prajakta Badri, Elena Yureneva, Ishir Bhan, Daniel Cattran</i>	RESULTS FROM THE PHASE 2 STUDY OF CEMDISIRAN IN ADULT PATIENTS WITH IGA NEPHROPATHY
51	Verena Fleischer <i>Walter Conca, Reinhard Wuerzner</i>	INTERACTION OF A DISTINCT FCA INTERDOMAIN OLIGOPEPTIDE OF CAMEL IGA WITH THE HUMAN COMPLEMENT SYSTEM
52	Michael Reid <i>Lukas Scheibler, Yiei Zhang, Pascal Deschatelets, Lucas Abraham, Cedric Francois, Wendy Chao, Frank Stout</i>	RESULTS FROM A RANDOMIZED STUDY OF APL-9 IN RESPIRATORY FAILURE, INCLUDING MILD-TO-MODERATE ACUTE RESPIRATORY DISTRESS SYNDROME, (ARDS) DUE TO COVID-19
53	Daria Kowalska <i>Alicja Kuźniewska, Yaiza Senent, Beatriz Tavira, Susana Inogés, Ascensión López-Díaz de Cerio, Ruben Pio, Marcin Okrój, José Ramón Yuste</i>	NON-CANONICAL SOURCE OF ELEVATED C5A LEVELS IN CONVALESCENTS FROM SEVERE COVID-19
55	Alicja Kuźniewska <i>Marta Jaskólska, Kamil Myszczyński, Zbigniew Zdrojewski, Marcin Okrój</i>	OFF-LABEL USE OF ECULIZUMAB FOR THE TREATMENT OF PATIENT WITH NEUROLOGICAL SYMPTOMS AND NON-AMD PROGRESSIVE LOSS OF VISION CARRYING PATHOGENIC FH P.H402Y MUTATION
56	Alicja Kuźniewska <i>Marcin Ziętkiewicz, Marta Jaskólska, Daria Kowalska, Kamil Myszczyński, Zbigniew Zdrojewski, Marcin Okrój</i>	RARE GENETIC VARIANTS OF THE COMPLEMENT SYSTEM GENES IDENTIFIED IN PATIENTS WITH FIBROMYALGIA
57	Ekaterina Umnyakova <i>Said Rabbani, Alyssa Colombi, Clément Bechtler, Avneesh Gautam, Christoph Q. Schmidt, John D. Lambris, Daniel Ricklin</i>	MOLECULAR INSIGHT INTO THE TARGET INTERACTION PROFILE OF THE FACTOR H-BINDING PEPTIDE 5C6
58	Frerich Masson <i>Bart Bardoel, Serena Bettoni, Anna Blom, Suzan Rooijackers</i>	EVASION STRATEGIES OF CLINICAL KLEBSIELLA PNEUMONIAE ISOLATES TO PREVENT RECOGNITION AND KILLING BY HUMAN COMPLEMENT SYSTEM
59	Zhi-Ming Ding <i>Zhi-Ming Ding, Yichen Wang, Vladimir Subbotin, Xiaokai Li, Tao Pei, Maria Afrazi, Holly Hamilton, James Hamilton</i>	SILENCING HEPATIC COMPLEMENT C3 BY RNA INTERFERENCE ALLEVIATES THE PROGRESSION OF RENAL HISTOPATHOLOGICAL LESIONS IN A MOUSE MODEL OF NEPHROPATHY
60	Zhibek Zhumadilova <i>Svetlana Kolesnichenko, Lyudmila Akhmaltidinova</i>	THE CLINICAL-LABORATORY FEATURES OF MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN (MIS-C) IN NEWBORNS COVID-19-INFECTED FROM MOTHER: A CASE SERIES
61	Sára Kellnerová <i>Elisa Varrone, Verena Fleischer, Heribert Talasz, Maurizio Brigotti, Marco Grasse, Dorothea Orth-Höller, Reinhard Würzner</i>	ASSESSMENT OF COMPLEMENT REGULATION BY DIFFERENT STRUCTURAL FORMS OF SHIGA TOXIN 2A

62	Julia Egido <i>Simon O. Dekker, Bart W. Bardoel, Suzan H. M. Rooijackers, Pieter-Jan Haas</i>	HUMAN COMPLEMENT SYSTEM INHIBITS THERAPEUTIC BACTERIOPHAGES TARGETING PSEUDOMONAS AERUGINOSA
63	Mariam Massri <i>Bettina Sarg, Marco Grasse, Erik Toonen, Mara van Rossum, Dorothee Orth-Höller, Reinhard Würzner</i>	STRONG ASSOCIATION BETWEEN COMPLEMENT C7 AND CLUSTERIN REVEALS A POTENTIAL C7-CLUSTERIN COMPLEX IN CIRCULATION
65	Veronika Ehinger <i>Antje Baeumner, Elena Goicoechea de Jorge, Mihály Józsi, Felix Poppelaars, Richard B. Pouw, Mark-Steven Steiner, Erik J.M. Toonen, Diana Pauly</i>	SCIFIMED - SCREENING OF INFLAMMATION TO ENABLE PERSONALIZED MEDICINE
66	Michael Schwenkert <i>Ali Qamar</i>	CROSS-SPECIES PERFORMANCE OF ILITE(R) C5A-SPECIFIC REPORTER CELL LINE AND OTHER FUNCTIONAL AND BIOMARKER ASSAYS
68	Chloe Connelly <i>Beth Gibson, Balaji Mahendran, Samuel Tingle, Madison Cooper, Ruth Owen, Emily Thompson, Colin Wilson, Neil Sheerin, Kevin Marchbank</i>	INDUCING COMPLEMENT ACTIVATION AND ISCHAEMIC INJURY IN A WHOLE BLOOD MODEL OF EX VIVO NORMOTHERMIC PERFUSION OF PORCINE KIDNEYS
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