



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 Shift+Ctrl+N for entering page navigation dialogue box. For example, insert "2" (page 2) for going to the start of the Table of Content page.

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 Zeerleider

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

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Reinhard Würzner

Austria

Division of Hygiene &
Medical Microbiology
Department of Hygiene,
Microbiology and
Social Medicine Medical
University of Innsbruck
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A-6020 Innsbruck
Austria

Secretary:

Christoph Schmidt

Germany

Institute of
Pharmacology of
Natural Products &
Clinical Pharmacology
Ulm University
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D-89081 Ulm
Germany

Treasurer:

Simon Clark

United Kingdom

Division of Evolution
and Genomic Sciences
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Sciences
Faculty of
Biology, Medicine and
Health
University of
Manchester
Oxford Road
Manchester

ECN BOARD MEMBERS

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Department of Immunology, Genetics and
Pathology, Clinical Immunology;
Rudbecklaboratoriet, Uppsala

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Department of Microbiology, Complutense
University School of Medicine, Madrid

Nicole Thielens, France

University of Grenoble Alpes, Institut de
Biologie Structurale, Grenoble

Mihály Józsi, Hungary

Department of Immunology, ELTE Eötvös
Loránd University, Budapest

Marten Trendelenburg, Switzerland

Department of Biomedicine, University
Hospital, Basel

Per Nilsson, Norway

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

Elena Volokhina, The Netherlands

Department of Pediatric Nephrology,
Radboud University Medical Center,
Nijmegen

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. Date is yet to be confirmed.

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.

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

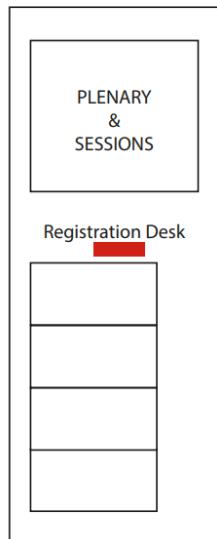
Friday, August 26: 07:00-14:30	Saturday, August 27: 07:00-17:30	Sunday, August 28: 07:00-16:00	Monday, August 29: 07:00-15:00
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CONGRESS AGENCY & BERN WELCOME

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



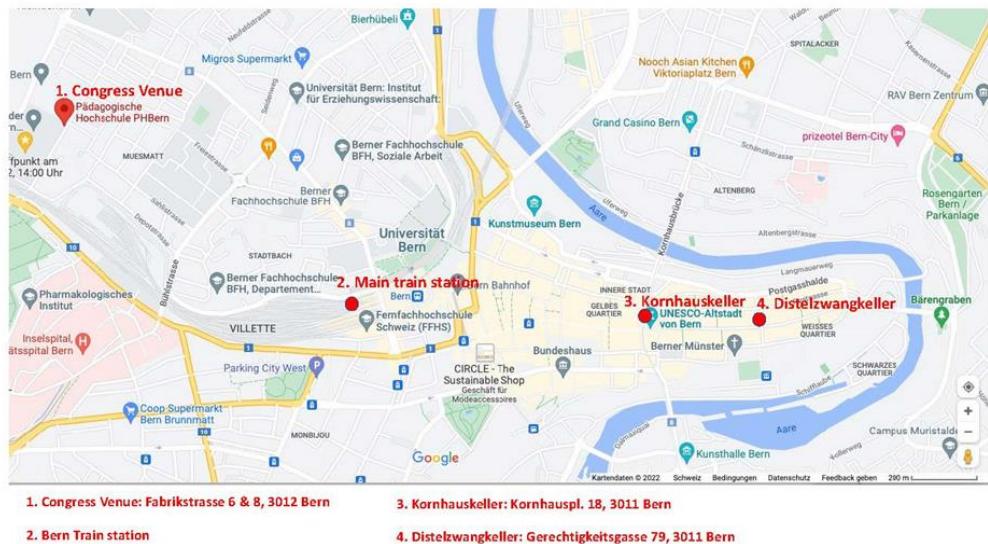
OTHER INFORMATION

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.



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>

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

Clock Tower & House of Parliament



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



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.

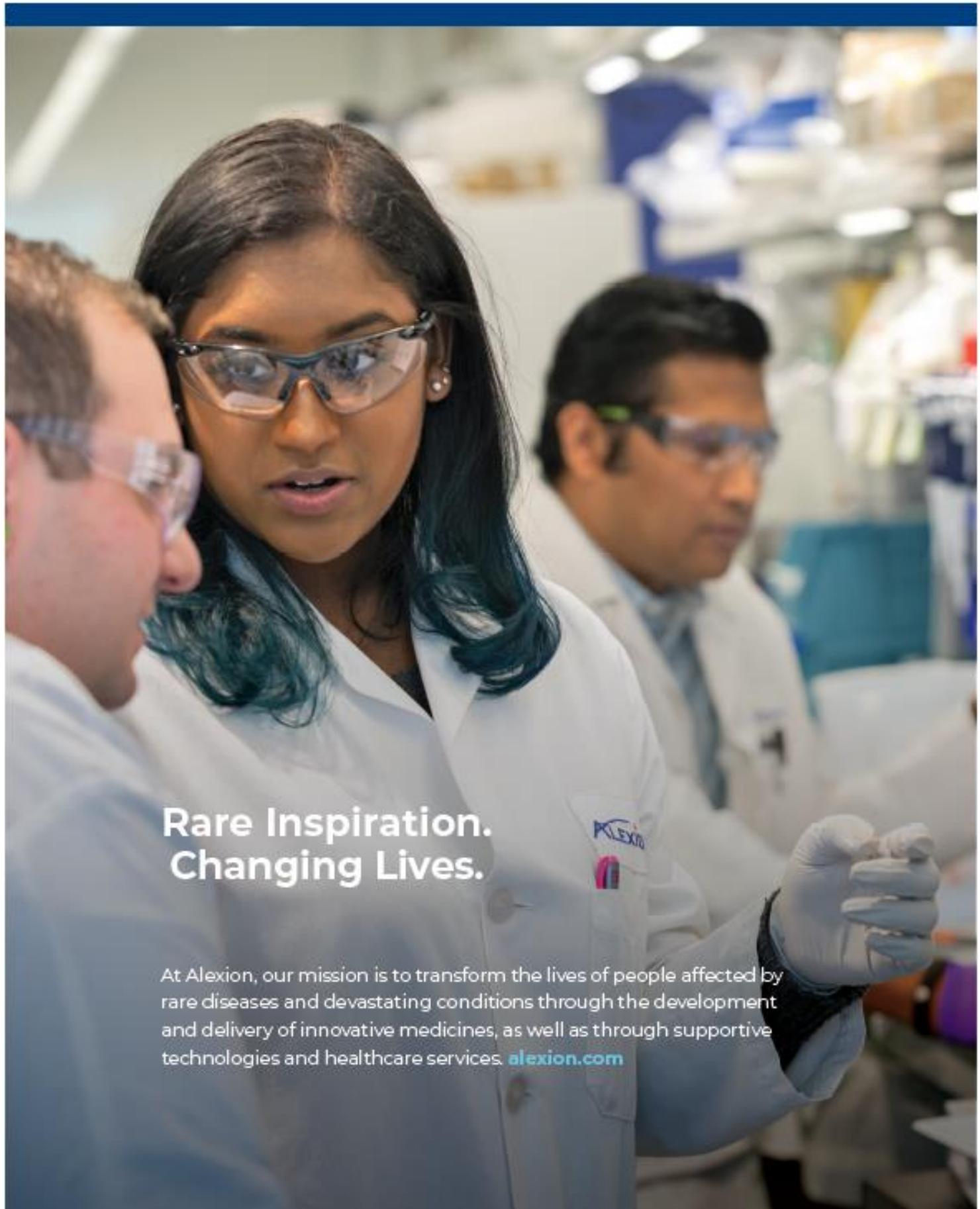
Meeting point: Outside of University of Bern Campus vonRoll at 16:45.

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

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	COMPLEMENT IN ACUTE-PHASE DISORDERS WITH A FOCUS ON BACTERIAL INFECTIONS AND SEPSIS <i>Suzan Rooijakkers</i>
10.05 – 10.25	COMPLotype & COMPLEMENTOPATHIES: COMPLEMENT AS LONG-TERM DISEASE CONTRIBUTOR <i>Claire Harris</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</i>
11.00 – 11.30	Coffee break and exhibition

The advertisement features a woman wearing a grey scarf, looking down. The text reads:

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

67% of patients with CAD who received unapproved therapy had a severe anemia event within the first 6 months.^{2*}

62% higher incidence of thromboembolic events found in US patients with CAD.^{3†}

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

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

A QR code is located in the bottom right corner.

*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. Berentsen S, Basse K, Tjønnfjord 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(15):839-848. 3. Broome CM, 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):628-636.

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 Prohászka</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>	B008
4	ANIMAL MODELS IN COMPLEMENT RESEARCH <i>Jörg Köhl</i>	B101
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</i>	B201
7	COMPLEMENT IN HEMOLYTIC DISORDERS <i>Sacha Zeerleder</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: Prof. Christian Leumann, Rector University of Bern

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 Rooijakkers</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 Ołdziej, Emilia Ajrona, Santiago Rodriguez de Córdoba, Marcin Okrój, Aleksandra Urban</i>
09.00 – 09.15	191 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</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</p> <p>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</p> <p>ISOFORM-SPECIFIC BINDING OF APOLIPOPROTEIN E TO COMPLEMENT FACTOR H ALTERS AMYLOID-B-MEDIATED NEUROTOXICITY IN VITRO AND IN VIVO</p> <p><i>Larisa Chernyaeva, Giorgio Ratti, Laura Teirilä, Uni Rankka, Satoshi Fudo, Anssi Pelkonen, Paula Korhonen, Katarzyna Leskinen, Salla Keskitalo, Kari Salokas, Christina Christodouloupolou, 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</p> <p>COMPLEMENT AND HAEMOSTASIS: EFFECTS OF COMPLEMENT INHIBITORS IN A MICROFLUIDIC BLEEDING MODEL</p> <p><i>Murielle Golomangi, Jessie Kohler, Christin Lamers, Richard Pouw, Daniel Ricklin, Elaissa Trybus Hardy, Wilbur Lam, Verena Schroeder</i></p>
14.30 – 14.45	<p>112</p> <p>IN HUMAN MICROVASCULAR ENDOTHELIAL CELLS (HMEC-1) C5A/C5AR1 INDUCES VON WILLEBRAND FACTOR (VWF) RELEASE FROM WEIBEL-PALADE BODIES (WPBS) VIA ADENYLYL-CYCLASE ACTIVATION</p> <p><i>Aiello Sistiana, Gastoldi Sara, Galbusera Miriam, Benigni Ariela, Remuzzi Giuseppe, Noris Marina</i></p>
14.45 – 15.00	<p>43</p> <p>CELL-INTRINSIC C3 MEDIATES PANCREATIC BETA-CELL SURVIVAL IN INFLAMMATORY AND CELL STRESS CONDITIONS</p> <p><i>Ben King, Klaudia Kulak, Marina Mackay, Lucie Colineau, Anna Blom</i></p>
15.00 – 15.15	<p>82</p> <p>ALTERNATIVE SPLICING ENCODES INTRACELLULAR CD59 ISOFORMS WHICH MEDIATE INSULIN SECRETION, ARE DOWNREGULATED IN DIABETES, AND INTERACT WITH DNA, SUGGESTING INVOLVEMENT IN GENE TRANSCRIPTION REGULATION</p> <p><i>Ewelina Golec, Alexander Ekstrom, Maciej Noga, Muhammad 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	101

	ANAPHYLATOXIN RECEPTORS REGULATE THE DIFFERENTIATION AND FUNCTION OF DENDRITIC CELLS SUBSETS FROM BONE MARROW-DERIVED PRECURSORS <i>Alicja Anna Nowacka, Sven Geisler, Chandrashekhar Pasare, Jörg Köhl</i>
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 MEDIANED 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	174 THERAPEUTIC EFFICACY OF A BI-FUNCTIONAL ANTI-C5 MAB/FH1-5 FUSION PROTEIN IN A MOUSE MODEL OF RAPIDLY PROGRESSING LETHAL C3 GLOMERULOPATHY <i>Sayaka Sato, Takashi Miwa, Damodar Gullipalli, Lin Zhou, Jianjun Zhang, Xiaoxia Hu, Bingbing Jiang, Ping Tsui, Wen-Chao Song</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 Jongsma, 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 Rooijakkers
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 TNTS 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 Rooijakkers</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 Rooijakkers</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 Proellosch, Matthijs Jore</i>
15.00 – 15.30	ECN MEDALS & SVAR AWARDS
15.30 – 16.40	Coffee break, Posters, Exhibition, Networking
16.45	Bus departure to Lucerne from vonRoll campus to Lucerne
19.00 – 22.00	Boarding for the Conference Dinner on the lake of Lucerne
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 Daskouliou, 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 Daskouliou, 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, 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 Sorillo</i>
09.15 – 09.30	165 ACTIVATION OF THE LECTIN PATHWAY OF COMPLEMENT SYSTEM AFTER ISCHEMIC STROKE IN A HUMANIZED MOUSE MODEL EXPRESSING HUMAN MANNOSE-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 Ligero, 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 – 13.15	ECN GENERAL ASSEMBLY
13.15 – 13.30	Introduction of the next meetings – ICS President, Congress chairpersons
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 Anstadt, Robert. Pappas, Chris. Liu, Jin. Corsetti, Tana. Zouache, Moussa. Hageman, Greg.	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 Konwar, Swagata. Fode, Benjamin. Boller, Sören. Dabrowska-Schlepp, Paulina. Kleindienst, Jessika. Häffner, Karsten.	Functional characterization of PASylated forms of mouse produced human complement factor H in vitro.
4	Amanda Heiderscheit	Elevated Factor H-related 1 and Factor H-related 5 Associate with End State Kidney Disease in C3 Glomerulopathy.
7	Mario Alejandro Duque Villegas Walter, Kerstin. Hölscher, Christoph. Homolka, Susanne. Niemann, Stefan. Garred, Peter.	The impact of MBL on the outcome of infection with representative mycobacterial strains of the Mycobacterium tuberculosis complex.
8	Wioleta Zelek Davies, Kate. Fellows, Rosie. Siggins, Matthew. Kodosaki, Eleftheria. Baillie, Kenneth. Semple, Malcolm. Openshaw, Peter. Harris, Claire. Morgan, B. Paul.	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 Theis, Hannah I. Vega-Rodriguez, Joel. Zipfel, Peter. Skerka, Christine. Pradel, Gabriele	The role of plasminogen for red blood cell invasion by Plasmodium falciparum merozoites.
12	Verena Harpf Rambach, Günter. Parth, Nadia. Neuratuer, Magdalena. Fleischer, Verena. Lass-Flörl, Cornelia. - Speth, Cornelia. Würzner, Reinhard.	The role of the complement system in a murine model of disseminated mucormycosis.
13	Karolina Smolag-Kłosowska Olszowka, Jakub. Rosberg, Rebecca. Pietras, Alexander. Marinko, Elisabet. Leandersson, Karin. Barlow, Paul N. O'Connell, David. Martin, Myriam. Blom, Anna M.	Complement factor H promotes survival of regulatory T-cells via interaction with the inducible T-cells co-stimulator (ICOS)
14	Felix Müller Reiss, Timo. Zipfel, Peter F. Skerka, Christine. Pradel, Gabriele.	The role of Pf92 in complement evasion during the intraerythrocytic replication phase of the malaria parasite Plasmodium falciparum.
15	Esther de Boer Jalink, Marit. Delvasto-Nuñez, Laura. Meulenbroek, Elisabeth M. Baas, Inge. Janssen, Susanne R. van Dijkman, Edith E. M. Gelderman, Kyra. Wouters, Diana. Engel, Marije D. de Haas, Masja. Kersten, Marie José. Jongerius, Ilse. Zeerleder, Sacha. Vos, Josephine M. I.	Peritransfusional C1-inhibitor in patients with severe complement-mediated autoimmune hemolytic anemia: an open-label phase 2 trial.
17	Pedro Miguel Coelho Medeiros Cyranka, Leon. Rosbjerg, Anne. Schjalm, Camilla. Garred, Peter. Würzner, Reinhard. Mollnes, Tom Eirik.	Combined inhibition of complement (C3/C5) and the Toll-like receptors co-factor CD14 in inflammation induced by Candida spp.
18	Lauren Fergus Hall, Monica. Pitcher, Gabriella. Meyer, Nicole. Nelson, Angela. Houston, Stephanie. Misurac, Jason. Zhang, Yuzhou. Smith, Richard J. H. Nester, Carla M.	Predicting Post-Transplant Disease Recurrence in C3 Glomerulopathy.
19	Kyra Gelderman Dijkstra, Tjalle. Kamp, Angela. Pouw, Richard.	Dilutional linearity issues in complement activation marker assays.
22	Hang Zhong	Role of pentraxin 3 and interaction with complement in immune defence against malaria.
23	Emre Can Tüysüz Gialeli, Chrysostomi. Mourati, Eleni. Smolag, Karolina. Johansson, Elinn. Pietras, Alexander. Blom, Anna M.	Tumor Suppressor Role of CSMD1 in Gliomas.
24	Lucie Colineau McKay, Marina. Fex, Malin. King, Ben. Blom, Anna	Investigating the role of C3 in type 2 diabetes onset using mouse models.
25	Laura Pérez-Alós Molyneux, Karen. Fellström, Bengt. Barratt, Jonathan. Garred, Peter	Treatment with TRF-budesonide (Nefcon) modulates the complement system in patients with IgA nephropathy.
26	Michael Holers Deane, Kevin D. Seifert, Jennifer A. Strickland, Colin. Bemis, Elizabeth. Morgan, B. Paul. Lewis, Myles J. Pitzalis, Costantino. Moreland, Larry W. Banda, Nirmal	Regional and Cell-Specific Imbalance of Complement Gene Expression and Proteins in the Synovial Biopsies from Early Rheumatoid Arthritis Patients.
27	Maximilian Götz	Lectin pathway enzyme MASP-2 and downstream complement activation in COVID-19.

	Skjoedt, Mikkel-Ole. Bayarri Olmos, Rafael. Hansen, Cecilie Bo. Pérez-Alós, Laura. Jarlhelt Langpapp, Ida. Benfield, Thomas Lars. Rosbjerg, Anne. Garred, Peter	
28	S. Jin Schalkwijk, Casper. Eussen, Simone. Koster, Annemarie. Eline Kooi, M. Brouwers, Martijn. Stehouwer, Coen. MJ van Greevenbroek, Marleen	Plasma concentrations of complement C3 partly explain the associations of measures of adiposity with type 2 diabetes: The Maastricht Study.
30	Per Nilsson Louwe, Mieke C. Michelsen, Annika E. Skagen, Karolina. Bjerkeli, Vigdis. Aukrust, Pål. Nilsson, Per H. Ueland, Thor. Mollnes, Tom Eirik. Skjelland, Mona. Halvorsen, Bente E	Alternative and terminal complement pathway activation in patients with carotid atherosclerosis.
31	Clemens Spitzemberg Gebhard, Anna. Griesche, Christian. Hermann, Cornelia. Hoecherl, Kilian. Streif, Simon. Pauly, Diana. Baeumner, Antje J.	Development of a functional complement assay based on liposomes for total complement activity determination.
32	Silke Huber René Weiss, René. Weber, Viktoria. Würzner, Reinhard. Orth-Höller, Dorothea	Circulating Extracellular Vesicles – A Potential Biomarker for Viral but Not Bacterial Sepsis?
33	Janti Haj Ahmad Köhl, Gabriele. Köhl, Jörg. Klos, Andreas	Generation of monoclonal antibodies targeting murine C5aR2.
35	Cornelia Speth Rambach, Günter. Faserl, Julia. Neurauter, Magdalena. Bellotti, Ruben. Texler, Bernhard. Schäfer, Georg. Öfner, Dietmar. Würzner, Reinhard. Lass-Flörl, Cornelia. Maglione, Manuel	Relevance of complement and mycobiome dysbiosis for progression of pancreatic cancer
36	Carla Plüss Lamers, Christina. Leiggner, Céline. Vogt, Stephanie Anita. Ciullo, Lorella. Tschanz, Marco. Mancuso, Riccardo. Rabbani, Said. Ricklin, Daniel	Insight into the interaction profiles and functional modulation of complement-related integrin receptors using an integrated screening platform
37	Aleksandra Blagojevic Widmer, Kevin. Rüthemann, Peter. Lee, Soo Jung. Rabbani, Said. Lill, Markus. Ricklin, Daniel	Development and evaluation of a parasite-derived modulator to attenuate adverse host defense responses
38	Reinhard Würzner Huber, Silke. Grasse, Marco. Wilflingseder, Doris. Köhl, Jörg. Niemann, Stefan. Hölscher, Christoph. Garlanda, Cecilia. Blom, Anna. Rooijakkers, Suzan. Meri, Seppo. Premeaux, Veronique. Garred, Peter. Mollnes, Tom Eirik. Prohászka, Zoltán	CORVOS – facilitating more PhD student exchanges and working towards a European Complement PhD
39	Beatrice Fageräng Lau, Corinna. Coelho Medeiros, Pedro Miguel. Schjalm, Camilla. Ekholm McAdam, Karin. Nilsson, Per. Garred, Peter. Mollnes, Tom Eirik	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 Röth, Alexander Berentsen, Sigbjørn. Barcellini, Wilma.D'Sa, Shirley. Jilma, Bernd. Michel, Marc. Weitz, Ilene C. Yamaguchi, Masaki. Nishimura, Jun-ichi. Vos, Josephine M. I. Wong, Nancy. Patel, Parija. Jiang, Xiaoyu. Vagge, Deepthi. Wardęcki, Marek. Shafer, Frank. Lee, Michelle. Broome, Catherine M.	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 Weitz, Ilene. Ueda, Yasutaka. Shafer, Frank. Su, Jun. Foster, Meredith. Patel, Parija.	INFLAMMATION AND FATIGUE IN PATIENTS WITH COLD AGGLUTININ DISEASE (CAD): ANALYSIS FROM THE PHASE 3 CARDINAL STUDY
42	Rolf Spirig Spirig, Rolf. Campbell, Ian K. Käsermann, Fabian	Recombinant human IgG1 Fc hexamer is a potent modulator of classical pathway activation
44	Ben King Bierschenk, Damien. Papac-Milicevic, Nikolina. Bresch, Ian. Bettoni, Serena. Dziedzic, Mateusz. Eschenburg, Susanne. Binder, Christoph. Blom, Anna	C4b-binding protein inhibits particulate- and crystal-induced NLRP3 inflammasome activation
46	Mieke van Essen Peereboom, Emma. Schlagwein, Nicole. van Gijlswijk-Janssen, Daniëlle. Nelemans, Tessa. Joeloemsingh, Jivan. Prins, Jurriën. Clark, Simon. Schmidt, Christoph. Trouw, Leendert. van Kooten, Cees	Production of complement regulators factor H and FHL-1 and complement stabilizer properdin by human macrophages.

47	Samyr Kenno Kenno, Samyr. Köhl, Jörg. Borus, Sina. Bieber, Katja	The C5a/C5ar1 axis controls the early IgM to IgG switch of collagen type VII autoantibodies in experimental Epidermolysis Bullosa Acquisita
48	April Baral Baral, April. Mckinley, Claire. Fellows, Rosie. Hallam, Thomas. Cox, Tom. Payne, Daniel. Richards, Stephen. Pike, Alexandra. Kelly, Richard. Griffin, Morag. Hillmen, Peter. Marchbank, Kevin. Kavanagh, David. Newton, Darren. Harris, Claire	Common variants in C3 and CR1 enhance complement attack on PNH erythrocytes and increase risk for C3-mediated extravascular haemolysis
50	Ishir Bhan Barratt, Jonathan. Cheng Yeo, See. Fernström, Anders. J. Barbour, Sean. Sperati, C. John. Villanueva, Russell. Wu, Ming-Ju. Wang, Dazhe. Borodovsky, Anna. Badri, Prajakta. Yureneva, Elena. Bhan, Ishir. Catran, Daniel	Results from the Phase 2 Study of Cemdisiran in Adult Patients with IgA Nephropathy
51	Verena Fleischer Conca, Walter. Wuerzner, Reinhard	Interaction of a distinct Fcα interdomain oligopeptide of camel IgA with the Human Complement System
52	Michael Reid Scheibler, Lukas. Zhang, Yie. Deschatelets, Pascal. Abraham, Lucas. Francois, Cedric. Chao, Wendy. Stout, Frank	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 Kuźniewska, Alicja. Senent, Yaiza. Tavira, Beatriz. Inogés, Susana. López-Díaz de Cerio, Ascensión. Pio, Ruben. Okrój, Marcin. Yuste, José Ramón	Non-canonical source of elevated C5a levels in convalescents from severe COVID-19
55	Alicja Kuźniewska Jaskólska, Marta. Myszczyński, Kamil. Zdrojewski, Zbigniew-Okrój, Marcin	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 Ziętkiewicz, Marcin. Jaskólska, Marta. Kowalska, Daria. Myszczyński, Kamil. Zdrojewski, Zbigniew. Okrój, Marcin	Rare genetic variants of the complement system genes identified in patients with fibromyalgia
57	Ekaterina Umnyakova Rabbani, Said. Colombi, Alyssa. Bechtler, Clément. Gautam, Avneesh. Schmidt, Christoph Q. Lambris, John D. Ricklin, Daniel	Molecular Insight into the Target Interaction Profile of the Factor H-Binding Peptide 5C6
58	Frerich Masson Bardoel, Bart. Bettoni, Serena. Blom, Anna. Rooijakers, Suzan	Evasion strategies of clinical <i>Klebsiella pneumoniae</i> isolates to prevent recognition and killing by human complement system
59	Zhi-Ming Ding Ding, Zhi-Ming. Ding, Zhi-Ming. Wang, Yichen. Subbotin, Vladimir. Li, Xiaokai. Pei, Tao. Afrazi, Maria. Hamilton, Holly. Hamilton, James	Silencing Hepatic Complement C3 by RNA Interference Alleviates the Progression of Renal Histopathological Lesions in a Mouse Model of Nephropathy
60	Zhibek Zhumadilova Kolesnichenko, Svetlana. Akhmaltdinova, Lyudmila	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 Varrone, Elisa. Fleischer, Verena. Talasz, Heribert. Brigotti, Maurizio. Grasse, Marco. Orth-Höller, Dorothea. Würzner, Reinhard	Assessment of complement regulation by different structural forms of Shiga toxin 2a
62	Julia Egido Dekker, Simon O. Bardoel, Bart W. Rooijakers, Suzan H. M. Haas, Pieter-Jan	Human complement system inhibits therapeutic bacteriophages targeting <i>Pseudomonas aeruginosa</i>
63	Mariam Massri Sarg, Bettina. Grasse, Marco. Toonen, Erik. van Rossum, Mara. Orth-Höller, Dorothee. Würzner, Reinhard	Strong association between complement C7 and clusterin reveals a potential C7-clusterin complex in circulation
65	Veronika Ehinger Baeumner, Antje. Goicoechea de Jorge, Elena. Józsi, Mihály. Poppelaars, Felix. Pouw, Richard B. Steiner, Mark-Steven. Toonen, Erik J.M. Pauly, Diana	SciFiMed - Screening of inflammation to enable personalized Medicine
66	Michael Schwenkert Qamar, Ali	Cross-species performance of iLite(R) C5a-specific reporter cell line and other functional and biomarker assays
67	Michael Schwenkert	Comparing the classical haemolytic setup to Functional WIESLAB® Complement Screen.
68	Chloe Connelly Gibson, Beth. Mahendran, Balaji. Tingle, Samuel. Cooper, Madison. Owen, Ruth. Thompson, Emily. - Wilson, Colin. Sheerin, Neil. Marchbank, Kevin	Inducing complement activation and ischaemic injury in a whole blood model of ex vivo normothermic perfusion of porcine kidneys.

69	Remy Muts Muts, Remy. Heesterbeek, Dani. Aerts, Piet. de Haas, Carla. Bardoe, Bart. Rooijakkers, Suzan	Labelling bacterial surfaces with artificial antigens to unravel how antibodies and complement drive bacterial killing.
71	Chris Culek Smith, Richard. Zhang, Yuzhou. Nester, Carla	The Importance of the Mg ²⁺ Ion for Nephritic Factor Function.
72	Björn Laffer Hoffmann, Inken. Muschol, Nicole. Köhn, Friederike. vom Dahl, Stephan. Fekete, György. Kovács, Árpád. Riemarksten, Gabriela. Lenders, Malte. Heidenreich, Karin. Brand, Eva. Köhl, Jörg	Fabry disease patients exert strong complement activation independent of enzyme replacement therapy
77	Ann Moyer Peterson, Sandra. Train, Laura. Lagerstedt, Susan. Blake, Emily. Baudhuin, Linnea	Complementary Amplicon-Based and Capture-Based NGS Approaches for Accurate and Efficient Complement (CFH and CFHR Locus) Genetic Testing
79	Erik Toonen Michels, Marloes. de Bruin, Wieke. Nilsson, Per. Brandwijk, Ricardo	Pitfalls in complement analysis: a systematic literature review of assessing complement activation
80	Xilin Chen Ma, Yuanyuan. Parker, Cynthia. Wang, Juan. Zhu, Fugang. Sheridan, William. Davidson, Matthew. Babu, Yarlagadda. Nest, Carla	BCX9930, an Oral Potent and Selective Factor D Inhibitor, Suppresses Complement Alternative Pathway (AP) C3 Convertase Activity in vitro and in Patients with Complement 3 Glomerulopathy (C3G)
81	Vinaya Dulipati Chen, Carmen. Krzyzewska-Dudek, Eva. Kiljunen, Saija. Kotimaa, Juha. Meri, Seppo	Environmental stimuli and strain-characteristics regulate proteolytic cleavage of complement factors C3b and C5 by Pseudomonas aeruginosa
83	Lillemor Skattum Zervides, Kristoffer. Gullstrand, Birgitta. Helweg-Larsen, Jannik. Westman, Kerstin. Thaning Bay, Jakob. Hansson, Christina	Selective acquired absence of C1r in serum
84	Chantal DUMESTRE-PERARD DEFENDI, Federica. LEROY, Corentin. EPAULARD, Olivier. CLAVARINO, Giovanna. VIOTITCH, Antoine. LE MARECHAL, Marion. JACOB, Marie-Christine. RASKOVALOVA, Tatiana. PERNOLLET, Martine. Le GOUELLEC, Audrey. BOSSON, Jean-Luc. POIGNARD, Pascal. ROUSTIT, Matthieu. THIELENS, Nicole. CESBRON, Jean-Yves	Complement Alternative and Mannose-Binding Lectin Pathway Activation Is Associated With COVID-19 Mortality
85	Chantal DUMESTRE-PERARD FARGIER, Paul-Benoit. JOURDE-CHICHE, Noémie. SARROT-REYNAULD, Françoise. CLAVARINO, Giovanna. DEFENDI, Federica. THIELENS, Nicole. ROSSI, Véronique. GABORIAUD, Christine	Autoantibodies targeting C1s in systemic lupus erythematosus: prevalence in patients with active lupus nephritis
87	Stef van der Meulen Monahan, Rory C. Huizinga, Tom W.J. Steup-Bekman, Gerda M. Trouw, Leendert A.	Circulating levels of endogenous complement inhibitors correlate inversely with complement consumption in Systemic Lupus Erythematosus
88	Christian Karsten Gruner, Caroline. Thomsen, Simon. Mohr, Nicola.	Complement 5a Receptor 2 (C5aR2) expression regulates NKp46 levels on NK cells and influences formation of pulmonary metastases
89	Mikel Rezola Artero	C4bp hijacking by the Plasmodium falciparum sporozoite stage
91	Carmen Chen Dulipati, Vinaya. Kotimaa, Juha. Krzyzewska-Dudek, Eva. Kolsi, Anna. Patpatia, Sheetal. Tuomala, Henni. Kiljunen, Saija. Meri, Seppo	Complementary effects of bacteriophages and complement on the killing of <i>Acinetobacter baumannii</i>
93	Silvia González Sanz Subías Hidalgo, Marta. Juana López, Lucía. Alonso Riaño, Marina. Bovolenta Nicolau, Paola. Rodríguez de Córdoba, Santiago	Ocular phenotype in the C3Del923_924 C3-Glomerulopathy mouse model
94	Peter Kraiczy Ries, Julia. Nouri, Noura. Heß, Marie. Wichelhaus, Thomas. Göttig, Stephan. Falcone, Franco	CipA of <i>Acinetobacter baumannii</i> terminates complement-mediated killing by the formation of a factor I-mediated, quadripartite-ordered assemblage
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