

T O      
 T E S T    
 O R  N O T  
 T O      
 T E S T ?   
     

08-10.09  
2021



SSCC/SGKC 2021  
ANNUAL ASSEMBLY  
NEUCHÂTEL    

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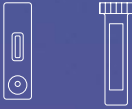
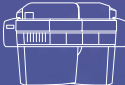
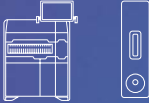
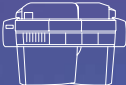
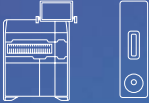
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ABBOTT- LÖSUNGEN FÜR LABOR UND POC:	<b>MOLEKULARTESTS</b>  m2000 RealTime System      Alinity m    ID NOW™  	<b>ANTIGENTESTS</b>  Panbio™ Rapid Test Device  	<b>SEROLOGIE: IgM TESTS</b>  ARCHITECT i1000SR and i2000SR    Alinity i      Panbio™ Rapid Test Device  	<b>SEROLOGIE: IgG TESTS</b>  ARCHITECT i1000SR and i2000SR    Alinity i      Panbio™ Rapid Test Device  
	Abbott RealTime SARS-CoV-2 Test Alinity m SARS-CoV-2 Test Alinity m Resp-4-Plex Test (SARS-CoV-2, Flu A, Flu B, RSV) ID NOW COVID-19 Schnelltest**	ARCHITECT / Alinity SARS CoV-2 Antigen test* Panbio™ COVID-19 Antigen Schnelltest (auch für das asymptomatische Screening und die selbstständige Probenentnahme unter Anleitung)	ARCHITECT / Alinity SARS CoV-2 IgM Test Panbio™ COVID-19 IgG/IgM Schnelltest	ARCHITECT / Alinity SARS CoV-2 IgG Test (Qualitativ) ARCHITECT/Alinity SARS CoV-2 IgG II Quant Test Panbio™ COVID-19 IgG/IgM Schnelltest

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**HAFTUNGSAUSSCHLUSS:** Die für jede Phase der Infektion aufgeführten Zeiträume sind allgemeine Schätzungen und kein Hinweis auf die Immunreaktion einer Person auf SARS-CoV-2. ARCHITECT, Alinity i und Alinity m sind Warenzeichen von Abbott Laboratories in verschiedenen Gerichtsbarkeiten. Alle ARCHITECT-Analysensysteme sind Laserprodukte der Klasse 1.

ADD-129461-EMEA-DE 07/21



# WELCOME TO NEUCHÂTEL



# TO TEST OR NOT TO TEST?

Dear colleagues, ladies and gentlemen,

It is a great pleasure for me to welcome you to the 2021 Annual Meeting of the Swiss Society of Clinical Chemistry in the charming city of Neuchâtel.

The title of our 2021 annual meeting "To test or not to test?" seems quite appropriate in these times of great uncertainty and in the light of our evolving knowledge.

The ageing of the population, the emergence of new pathologies and the evolution of available technologies need to be considered in order to maintain and offer the best of laboratory medicine. "To test or not to test?" should be a recurring question in everyone's mind in order to be able to offer the best advice and the best service at the fairest cost for the medicine.

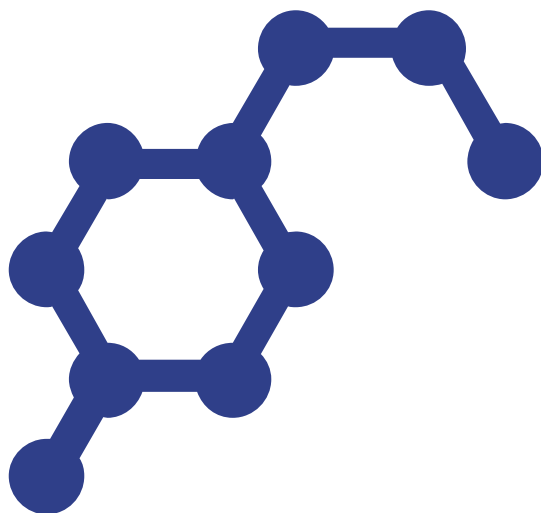
We are therefore proposing a program that considers these different elements, including two round tables that will hopefully open up the discussions.

An exhibition area will give the opportunity to look at the latest developments in the diagnostic industry and allow for scientific exchange.

Various research projects carried out in Switzerland will be described in oral presentations and poster exhibition, and we encourage you to inform yourself about emerging themes and novel developments.

We wish you a lot of pleasure during this Annual Assembly 2021 of the Swiss Society of Clinical Chemistry where you can meet your friends and colleagues for enriching face-to-face discussions.

Véronique Viette  
Chair of the organizing committee



# SPONSORS



We thank the sponsors for their generous support of this conference. Please join them in the exhibition area during coffee- and lunch break, as well as at the Welcome Cocktail.

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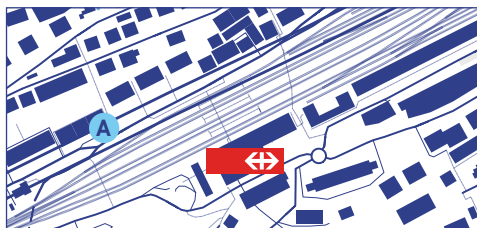


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## ARRIVAL BY PUBLIC TRANSPORT

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## BUS N°107

At the station, go to the north platform at point **A** and take bus 107 in the direction of Hauterive to the Portes-Rouges stop **B** [4th stop].



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Exit ↘ Neuchâtel-Maladière/  
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### Highway A5

Genève → Neuchâtel  
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## Parking facilities

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-  Parking du Mail
-  Parking Maladière Centre



# GENERAL INFORMATION

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## STOP CORONA

We will of course adapt to the sanitary constraints of the moment. In advance, we thank each one of you for respecting the current COVID rules issued by the OFSP.

---

## INTERNET ACCESS

Free WIFI will be available at the exhibition area and the auditorium:

- EDUROAM [for members of other Swiss or international universities]
  - public-unine: for the connection a mobile phone number is requested to which a code with limited validity is sent by SMS.
- 

## FOOD

Catering during coffee and lunch breaks and the "Welcome cocktail" will be provided in the exhibition area. All catering in the exhibition area is included in the conference registration fees.

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## LANGUAGE

The official language of the conference is English, German or French. However, PowerPoint slides of all presentations are in English.

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## REGISTRATION DESK

The registration desk is located in the entrance hall and is open one hour before the scientific program starts and is open during the congress hours.

---

## GALA DINNER



The apéritif will take place in the gardens of the Hôtel DuPeyrou on Thursday 09.09.2021 from 18:45. The gala dinner will be served at the restaurant DuPeyrou at 20:15. Tickets for the apéritif and gala dinner [100 CHF] can be purchased through the online registration platform [prior to the event] or onsite at the registration desk [according to availability & cash payment only].

---

## CREDITS

The following credits will be awarded for participation at the conference:

### Wednesday

- 3 credit points FAMH

### Thursday

- 6 credit points FAMH

### Friday

- 3 credit points FAMH
- 

## WEBSITE

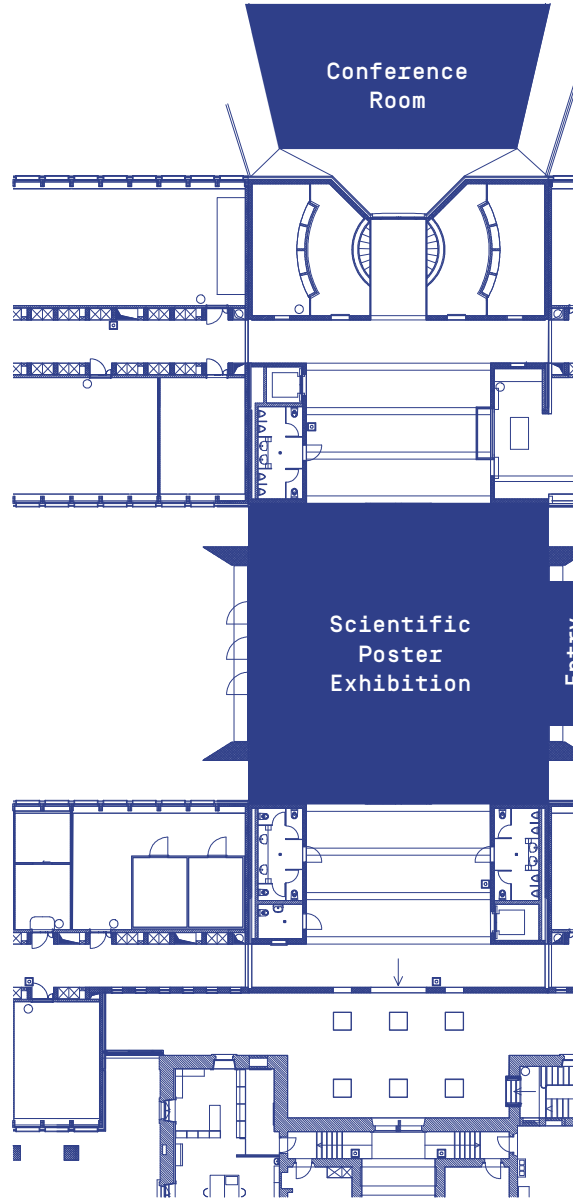
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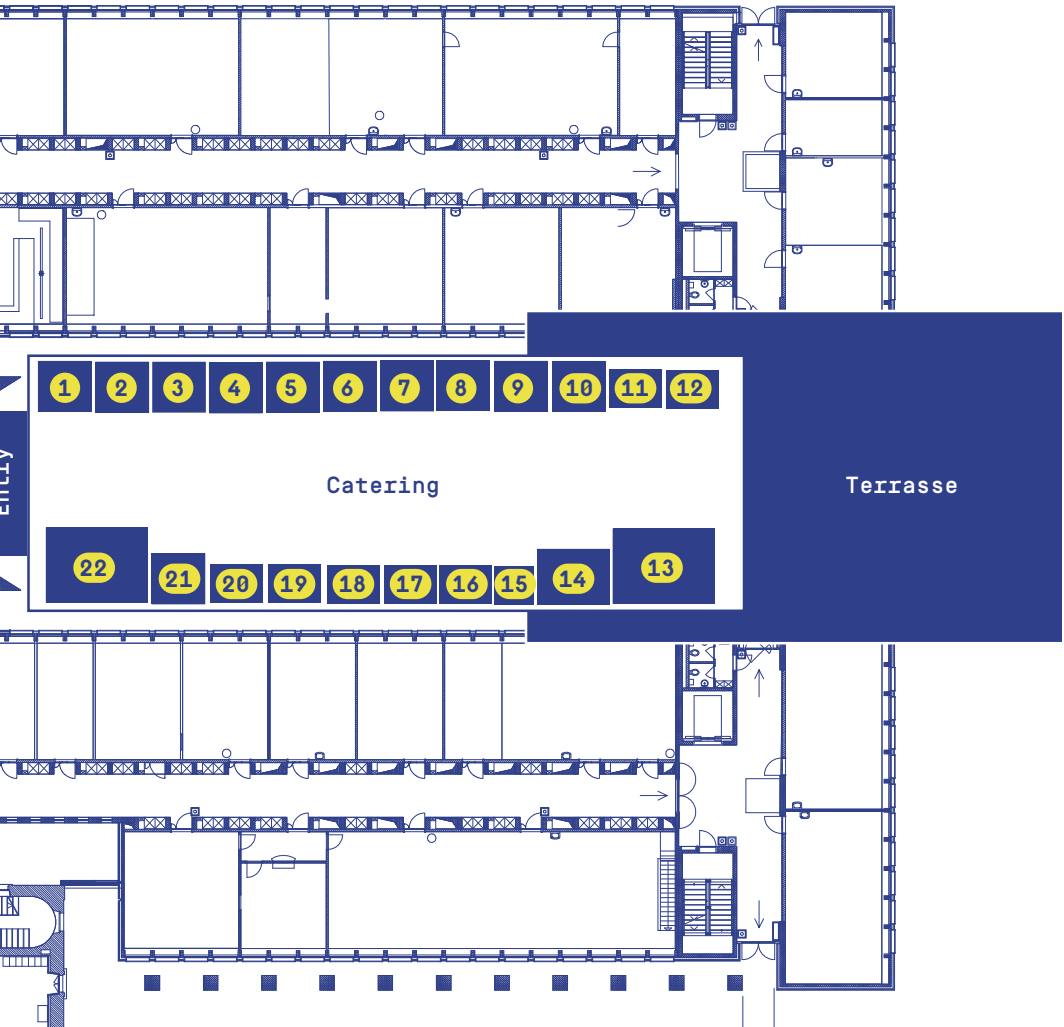
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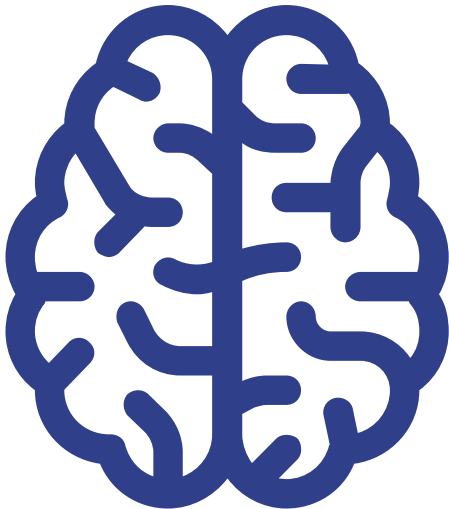
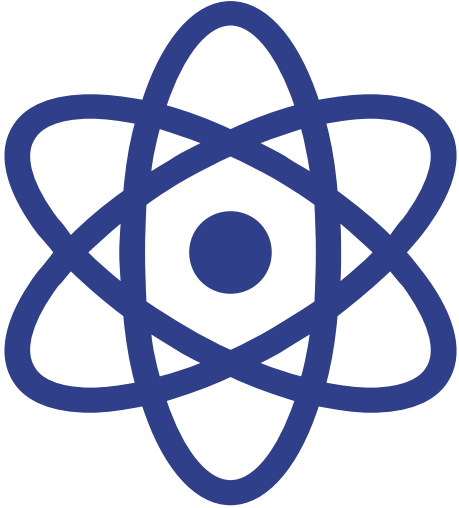


## EXHIBITORS

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- 9 LumiraDx
- 10 Stago
- 11 Waters
- 12 Sebia
- 13 Abbott
- 14 Ortho-Clinical Diagnostics
- 15 Bio-Rad
- 16 Shimadzu
- 17 Radiometer
- 18 Biocartis
- 19 Bühlmann Laboratories
- 20 Nova Biomedical
- 21 Tosoh
- 22 Roche Diagnostics







# 2021 PROGRAM



## WEDNESDAY 8TH SEPTEMBER 2021

12:30	OPENING OF THE REGISTRATION AND THE EXHIBITION
13:15	OFFICIAL WELCOME AND BEGIN OF THE SCIENTIFIC SESSIONS – Dr Veronique Viette, ADMed Laboratoires, Neuchâtel
13:45	NEURODEGENERATIVE DISEASES
↓	
15:15	Biomarkers for Alzheimer's disease: which, when, how? – Prof Giovanni Frisoni, University Hospital Geneva  Biomarkers in multiple sclerosis: from hope to reality – Prof Patrice Lalive, University Hospital Geneva
15:15	COFFEBREAK Exhibition Area
15:45	Biomarkers in Parkinson's disease: from periphery to the core – PD. Dr Giorgia Melli, EOC, Lugano
16:30	ORAL PRESENTATIONS SELECTED FROM ABSTRACTS
↓	
17:30	Lipid mediator profiles of plasma: preliminary adolescent reference ranges and the effect of total parenteral nutrition lipid composition – Ivan Hartling, University Children's Hospital Zurich  Cannabis consumption, influences gonadotropin axis and semen quality in young men – Fanny Zufferey, Central Institute of the Hospitals, Valais  Accuracy of a single, heparin-calibrated anti-Xa assay for the measurement of rivaroxaban, apixaban, and edoxaban drug concentration: a prospective cross-sectionnal study – Tamana Meihandoest, Inselspital, Bern  A rare non-reactive TSH variant – Peter J. Neyer, Institute of Laboratory, Medicine, Kantonsspital Aarau
17:30	WELCOME COCKTAIL
↓	
18:30	Exhibition Area

# 2021 PROGRAM



## THURSDAY 9TH SEPTEMBER 2021

**08:30** OPENING OF THE REGISTRATION AND THE EXHIBITION

---

**09:30** IRON DEFICIENCY ASSESSMENT

↓  
Round Table discussion

**10:00**

**MODERATOR**

– Prof Dr Anne Angelillo-Scherrer, InselSpital Bern

**ROUND TABLE PARTICIPANTS**

- Prof Dr Wolfgang Korte, Zentrum für Labormedizin, St-Gall
  - Dr Ekaterina Rebmann Chigrinova, Réseau Hospitalier Neuchâtelois
  - Dr Roberto Della Bruna, EOC, Bellinzona
- 

**10:00** COFFEBREAK

↓  
Exhibition Area

**10:30**

---

**10:30** CHOOSING WISELY

↓  
Laboratory testing as monitoring, benchmarking, and call to action tool, in the Ticino public hospital

**11:30**

Choosing Wisely campaign

– Prof Luca Gabutti, EOC, Locarno

Smarter Medicine aux soins intensifs

– Dr Filippo Boroli, University Hospital Geneva

---

**11:30** LUNCH BREAK

↓  
Exhibition Area

**13:00**

---

**13:00** SSCC GENERAL ASSEMBLY

↓  
Auditorium

**14:30**

---

**14:30** COVID-19

↓  
SARs-CoV2: The ever-evolving reality

**15:30**

– Dr Pascal Bittel, Institut für Infektionskrankheiten, Bern

---

**15:30** COFFEBREAK

↓  
Exhibition Area

**16:00**

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16:00	<b>COVID-19</b> ↓ Laboratoire en mode gestion de crise
17:00	– Dr Jean-Luc Magnin, Hôpital Fribourgeois – Dr Philipp Walter, Solothurnerspitäler  Diagnostic de la COVID aux urgences: Vitesse ou précision? – Dr Olivier Hugli, CHUV, Lausanne  Round table discussion with the different speakers of the COVID-19 session
17:00	<b>AWARDS [AUDITORIUM]</b> ↓
18:00	– Best Poster – Best oral presentation among the 4 selected poster abstracts – Prix d'encouragement SSCC with oral presentation – Prix de Barjac
18:45	<b>APÉRITIF</b> Garden DuPeyrou
20:30	<b>GALA DINNER</b> Restaurant DuPeyrou

# 2021 PROGRAM



## FRIDAY 10TH SEPTEMBER 2021

<b>08:30</b>	<b>OPENING OF THE REGISTRATION AND THE EXHIBITION</b>
<b>09:30</b> ↓	<b>COMPLEMENTARITY OF CLINICAL CHEMISTRY AND GENETICS I</b> Hereditary Cancer Predispositions
<b>11:00</b>	– Dr Thomas von Känel, Central Institute of the Hospitals, Valais  Pharmacogenetics: to test or not to test? – Dr Stefan Weiler, ToxInfo Suisse, Zurich  CAH: from newborn screening to LCMS profiles to genetics – Prof Dr Martin Hersberger, University-Children's Hospital Zurich
<b>11:00</b> ↓	<b>COFFEBREAK</b> Exhibition Area
<b>11:30</b>	
<b>11:30</b> ↓	<b>COMPLEMENTARITY OF CLINICAL CHEMISTRY AND GENETICS II</b> Nucleic Acid Metrology: Ensuring reliable and Comparable nucleic acid measurements
<b>12:15</b>	– Dr Kai N. Stölting METAS, Bern
<b>12:15</b>	<b>FAREWELL</b> Auditorium – Dr Veronique Viette, ADMed Laboratoires, Neuchâtel
<b>12:30</b>	<b>GOODBYE SNACK</b>





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surpris par la qualité du  
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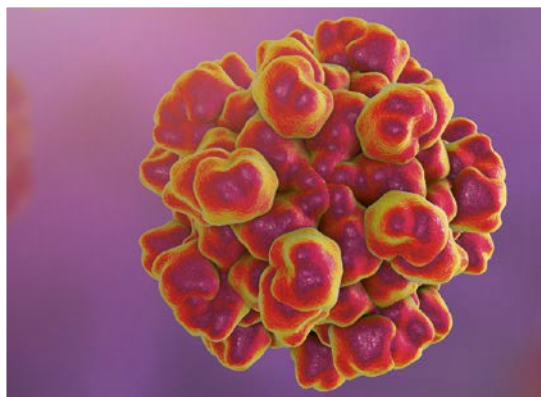


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# NOTES



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Carlo Largiadèr  
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Véronique Viette  
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# ABSTRACTS, PRESENTATIONS AND AWARDS

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## ORAL PRESENTATION OF SELECTED ABSTRACTS

Presentations of selected abstracts will take place on Wednesday 8th September at the auditorium, from 16:30 - 17:30. Presentation time is 10 min per abstract, followed by 5 min for questions and discussion. Please hand your presentation to the technician onsite in the auditorium at least one hour before the start of the session by USB drive.

---

## POSTER PRESENTATIONS

Posters should be prepared in English in A0 portrait format [841 × 1189 mm]. Posters should be mounted at the beginning of the conference and remain on display for the entire duration of the meeting. Material for mounting the posters will be provided onsite.

---

## POSTER ATTENDANCE

Posters are expected to be visible from Wednesday 14:00 through Friday noon. All authors are kindly asked to be present at their poster during the poster session [Thursday 11:30 - 13:00].

---

## AWARDS

The best oral presentation from the selected abstracts and the best poster presentation will receive an award. Awards will be presented on Thursday the 9th September, from 17:00 - 18:00 at the auditorium.



# POSTER PRESENTATIONS

---

- 1. N-3 BASED LIPID EMULSIONS CHANGE THE THE LIPIDOME TOWARDS ANTI-INFLAMMATORY AND PRO-RESOLUTION LIPID MEDIATORS AND REDUCE INFLAMMATION IN MOUSE LIVER AND HUMAN CD4+ T CELLS**  
Wawrzyniak Paulina, Nouredine Nazek, Hartling Ivan, Gemperle Claudio, Lucchinetti Eliana, Zaugg Michael, Hersberger Martin

---

- 2. A COMPREHENSIVE LC-MS/MS METHOD FOR THE QUANTITATION OF PURINE AND PYRIMIDINE METABOLITES IN HUMAN URINE**  
A.Cremonesi, D. Meili, M. Zikanova, M. Hersberger

---

- 3. RESOLVIN D1 SIGNALING IN PRIMARY HUMAN MACROPHAGES**  
L. Cambiaggi, J. Sobek, M. Hersberger

---

- 4. COMPARING METHODS FOR DONOR-DERIVED CELL-FREE DNA QUANTIFICATION IN PLASMA AND URINE FROM KIDNEY AND LIVER TRANSPLANT RECIPIENTS**  
N. Kueng, S. Arcioni, C. Kuhn, K. Stauffer, V. Banz, C. Largiadèr, D. Sidler, U. Amstutz

---

- 5. CEREBRAL CREATINE DEFICIENCY SYNDROMES: NEW IN VIVO AAV APPROACHES TO TREAT SLC6A8 DEFICIENCY**  
G. Fernandes-Pires, L. Duran-Trio, M. Lanzillo, L. Tenenbaum, O. Braissant

---

- 6. LIPID MEDIATOR PROFILES OF PLASMA: PRELIMINARY ADOLESCENT REFERENCE RANGES AND THE EFFECT OF TOTAL PARENTERAL NUTRITION LIPID COMPOSITION**  
I.Hartling, A. Cremonesi, E. Osuna, PH. Lou, E. Lucchinetti, M. Zaugg, M. Hersberger

---

- 7. CANNABIS CONSUMPTION INFLUENCES GONADOTROPIN AXIS AND SEMEN QUALITY IN YOUNG MEN**  
F. Zufferey, N. Donzé, R. Rahban, A. Senn, E. Stettler, S. Rudaz, S. Nef, MF. Rossier

---

- 8. THE SLC6A8Y/Y389C RAT MODEL OF CREATINE TRANSPORTER DEFICIENCY REVEALS BEHAVIORAL DISORDER, ALTERED BRAIN METABOLISM, MUSCLE ATROPHY AND ALTERED MOTOR FUNCTION**  
Lara Duran-Trio, Gabriella Fernandes-Pires, Dunja Simicic, Jocelyn Grosse, Clothilde Roux-Petronelli, Stephen J. Bruce, Pierre-Alain Binz, Carmen Sandi, Cristina Cudalbu and Olivier Braissant

---

- 9. ACCURACY OF A SINGLE, HEPARIN-CALIBRATED ANTI-XA ASSAY FOR THE MEASUREMENT OF RIVAROXABAN, APIXABAN, AND EDOXABAN DRUG CONCENTRATIONS: A PROSPECTIVE CROSS-SECTIONAL STUDY**  
Tamana Meihandoest, Jan-Dirk Studt, Adriana Mendez, Lorenzo Alberio, Pierre Fontana, Walter A. Wuillemin, Adrian Schmidt, Lukas Graf, Bernhard Gerber, Cedric Bovet, Thomas C. Sauter and Michael Nagler

- 
- 10. SEROLOGICAL TESTING FOR SARS-COV-2 ANTIBODIES IN CLINICAL PRACTICE: A DIAGNOSTIC ACCURACY STUDY**  
M.P. Horn, B. Weber, L. Damonti , F. Suter-Riniker, O. Endrich, M. Fiedler, C. Largiadèr, J. Marschall, H.R. Jónsdóttir, A. Eggel, M. Nagler
- 
- 11. DIAGNOSING HEPARIN-INDUCED THROMBOCYTOPENIA USING MACHINE LEARNING ALGORITHMS: FIRST DATA OF THE TORADI-HIT STUDY**  
Henning Nilius, Jan-Dirk Studt, Dimitrios A. Tsakiris , Andreas Greinacher, Adriana Mendez, Adrian Schmidt, Walter A. Wuillemin, Bernhard Gerber, Prakash Vishnu, Lukas Graf, Tamam Bakchoul, and Michael Nagler
- 
- 12. ORGANIZATIONAL IMPACT AND ANALYTICAL REQUIREMENTS OF THE ESC 2020 0/1 H NSTE-ACS RULE-OUT AND RULE-IN ALGORITHM**  
I. Farkas, F.P. Stephan, S. Guglielmetti, Ph. Walter
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- 13. RAPID UPLC-MS/MS DRIED BLOOD SPOT ANALYSIS OF STEROID HORMONES FOR CLINICAL RESEARCH**  
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- 14. LC-MS/MS ANALYSIS OF METHYLMALONIC ACID IN PLASMA FOR CLINICAL RESEARCH**  
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- 15. A FAST AND ROBUST METHOD FOR QUANTIFICATION OF HISTAMINE AND ITS METABOLITES IN URINE BY LC-MS/MS USING DIFFERENTIAL MOBILITY SEPARATION**  
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- 16. SWEAT CHLORIDE BY ICP-MS**  
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- 17. A RARE NON-REACTIVE TSH VARIANT**  
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