SILVER SPONSORS

CAC Permanent Committee

- **Ricard Boqué** *Universitat Rovira i Virgili (Spain)*
- **Lutgarde Buydens** *Radboud University Nijmegen (The Netherlands)*
- **Márcia M.C. Ferreira** *Universidade Estadual de Campinas (Brazil)*
- **Michele Forina** *Retiree University of Genova (Italy)*
- **Neal B. Gallagher** *Eigenvector Research (Inc. (United States)*
- **Philip Hopke** *Clarkson University (United States)*
- **Jose Cardoso Menezes** *Instituto Superior Tecnico (Portugal)*
- **Jean-Michel Roger** *INRAE (France)*
- **Sarah C. Rutan** *Virginia Commonwealth University (United States)*
- **Romà Tauler** *IDAEA – CSIC (Spain)*
- **Bernard Vandeginste** *Retiree Unilever Research and Development (The Netherlands)*
- **Yvan Vander Heyden** *Vrije Universiteit Brussel (Belgium)*
- **Pierre Van Espen** *Universiteit Antwerpen (Belgium)*
- **Peter Wentzell** *Dalhousie University (Canada)*
- **Barry M. Wise** *Eigenvector Research Inc. (United States)*

Scientific Committee

- **José Manuel Amigo** *University of Basque Country (Spain)*
- **Claudia Beleites** *Chemometrix GmbH (Germany)*
- **Anna De Juan** *University of Barcelona (Spain)*
- **Hector Goicoechea** *Universidad Nacional del Litoral (Argentina)*
- **Aoife Gowen** *University College Dublin (Ireland)*
- **Peter Harrington** *Ohio University (USA)*
- **John Kalivas** Idaho State University (USA)
- **Mohsen Kompany-Zareh** *IASBS (Iran)*
- **Hongmei Lu** *Central South University (China)*
- **Marena Manley** *Stellenbosch University (South Africa)*
- **Fernanda Pimentel** *Federal University of Pernambuco (Brazil)*
- **Åsmund Rinnan** *University of Copenhagen (Denmark)*
- **Oxana Rodionova** *Semenov Institute of Chemical Physics (Russia)*
- **Jean-Michel Roger** *INRAE (France)*
- **Serge Rudaz** *University of Geneva (Switzerland)*
- **Francesco Savorani** *Polytechnic University of Turin (Italy)*
- **Age Smilde** *University of Amsterdam (The Netherlands)*
- **Agnieszka Smolinska** *Maastricht University (The Netherlands)*
- **Beata Walczak** *University of Silesia (Poland)*
- **Peter Wentzell** *Dalhousie University (Canada)*

Organizing Committee

- **Federico Marini** *University of Rome La Sapienza (Italy)* Conference Co-Chair
- **Cyril Ruckebusch** *University of Lille (France)* Conference Co-Chair
- **Marina Cocchi** *University of Modena and Reggio Emilia (Italy)*
- **Ludovic Duponchel** *University of Lille (France)*
- **Raffaele Vitale** *University of Lille (France)*
- **Alessandra Biancolillo** *University of L'Aquila (Italy)*
- **Olivier Devos** *University of Lille (France)*
- **Paolo Oliveri** *University of Genova (Italy)*

PRELIMINARY PROGRAM

Monday 29 August 2022

10:00-19:00	**Registration of the participants**
14:30-15:00	**Conference opening**
15:00-16:00	**PL1: Harald Martens - Human-interpretable Machine Learning with an Eye for Causalities:** *Making sense of modern measurement streams inside and outside chemistry*
16:00-16:30	**Coffee break & Poster session**
16:30-18:10	**Contributed Session I: Big Data and Machine Learning**
16:30-16:50	OL1: Davide Ballabio - Enhancing LC-MS/MS Spectral Searching With Multi-Task Neural Networks And Molecular Fingerprints
16:50-17:10	OL2: Gabriel Vivo-Truyols - On the use of Bayesian statistics for (big) data analysis: automation for both qualitative and quantitative chemometrics
17:10-17:30	OL3: Michael Sorochan Armstrong - Chemometrics with Amazon Web Services (AWS)
17:30-17:50	OL4: Jeroen Jansen - Process economy, efficiency and sustainability go hand in hand, how chemometrics can build a greener industry
17:50-18:10	OL5: Priyanka Kumari - QSRR for small pharmaceutical compounds in RPLC: A Machine learning approach
18:10-20:10	**Welcoming cocktail**

Tuesday 30 August 2022

09:00-10:00	**PL2: Roy Goodacre - Lessons from large-scale metabolic phenotyping**
10:00-11:00	**Contributed Session II: Omics/ASCA and related methods I**
10:00-10:20	OL6: Albert Menéndez Pedriza - Comparison of mid-level fusion strategies for the multi-omic analysis of toxicological data
10:20-10:40	OL7: Andrés Martínez Bilesio - Metabolomics-guided insights on Bariatric Surgery: a longitudinal chemometrics approach over 1H NMR spectra from serum samples
10:40-11:00	OL8: Sarah Malek - Evaluation of mid-infrared spectra of serum and synovial fluid in predicting early post-traumatic osteoarthritis in an equine model
11:00-11:30	**Coffee break & Poster session**
11:30-13:10	**Contributed Session III: Applications I**
11:30-11:50	OL9: Zuzana Małyjurek - Class-Modelling - Optimization, Validation and Application
11:50-12:10	OL10: Agnieszka Martyna - Likelihood ratio in forensic discrimination/classification tasks
12:10-12:30	OL11: Martina Foschi - Supervised and Unsupervised Chemometric Methods to deal with saffron aging and its Quality Control
12:30-12:50	OL12: Lorenzo Strani - Real time prediction of ABS properties through multiblock and local regression methods
12:50-13:10	OL13: Sebastian Orth - Spectral imaging - pre-harvest malting barley germination classification with sequential orthogonalised multiblock data fusion methodologies
13:10-14:30	**Lunch & Poster session**

14:30-15:00 **KN1: Mathias Sawall - On the ambiguity underlying the spectral recovery problem and its analysis by the area of feasible solutions**

15:00-16:00 **Contributed Session IV: Theory & algorithms I**

15:00-15:20 OL14: Sergey Kucheryavskiy - Procrustes cross-validation of multivariate regression models

15:20-15:40 OL15: Stephan Seifert - Opening the random forest black box with Surrogate Minimal Depth

15:40-16:00 OL16: Oxana Rodionova - Expansion of the DD-SIMCA concept

16:00-16:30 **Coffee break & Poster session**

16:30-18:10 **Contributed Session V: Multi-block/Multi-way/Multi-set I**

16:30-16:50 OL17: Paul-Albert Schneide - Speeding up PARAFAC2 dramatically

16:50-17:10 OL18: Isabelle Viegas - Coupled factorization of fluorescence data of proteins and quantum dots to assess their conjugation process

17:10-17:30 OL19: Oksana Mykhalevych - New tools for designing food ingredients structures

17:30-17:50 OL20: Maria Cairoli - Monitoring pollution pathways in river water by predictive path modelling using untargeted GC-MS measurements

17:50-18:10 OL21: Ivan Krylov - Fluorescence and scattering model estimation

Wednesday 31 August 2022

09:00-10:00 **PL3: Ingrid Måge - Industrial bioprocessing – an amusement park for chemometricians and analytical chemists**

10:00-11:00 **Contributed Session VI: Multi-block/Multi-way/Multi-set II**

10:00-10:20 OL22: Jean-Michel Roger - N-CovSel, a new strategy for feature selection in N-way data

10:20-10:40 OL23: Mahdiyeh Ghaffari - Using Multi-Block Non-Negative Matrix Factorization for Multi-layer Plastic Sorting

10:40-11:00 OL24: Paul Gemperline - Combining ASCA and Tucker3 models to explain high-dimensional data

11:00-11:30 **Coffee break & Poster session**

11:30-13:10 **Contributed Session VII: Applications II**

11:30-11:50 OL25: Sabina Licen - Data fusion based on self-organizing map algorithm for the integration of different source/frequency instrumental data and spot sampling contextualization for environmental monitoring

11:50-12:10 OL26: Vicky Caponigro - Application of different chemometric approaches for MALDI-MSI data set of heterogeneous tissues. Case study: parotid tumour

12:10-12:30 OL27: Ewa Szymanska - Comprehensive chemometric strategy for the high-throughput screening of in-line spectroscopic sensors for milk composition traits

12:30-12:50 OL28: Maxime Ryckewaert - Combining hyperspectral imaging data with climate data to predict physiological variables of grapevine plants

12:50-13:10 OL29: Eleni Ioannidi - Using ATR FT-IR and MCR as a method to understand the crystal state of chocolates tempered under different conditions

13:10-14:30 **Lunch & Poster session**

14:30-15:00 **KN2: Hadi Parastar - Integration of handheld spectrometers and chemometrics for food authentication**

15:00-16:00 **Contributed Session VIII: Spectroscopy & Imaging I**

15:00-15:20 OL30: Cristina Malegori - HSI-NIR and chemometrics for the quantification of collagen in bones: how chemical mapping can help in preserving archeological finds

15:20-15:40 OL31: Manuela Mancini - Spectroscopy and chemometrics for sorting waste wood material according to the best-suited application

15:40-20:30 **Social activity (tours will start from the agreed meeting points at 17:00)**

Thursday 1 September 2022

09:00-10:00 **PL4: Romà Tauler - Bilinear model factor decomposition: a general mixture analysis tool**

10:00-11:00 **Contributed Session IX: Curve Resolution**

10:00-10:20 OL32: Martina Beese - An active constraint approach to identify essential spectral information in noisy data

10:20-10:40 OL33: Laureen Coic - A phasor view of Multivariate Curve Resolution

10:40-11:00 OL34: Anna De Juan - Trilinearity in Multivariate Curve Resolution: hybrid modeling and missing data

11:00-11:30 **Coffee break & Poster session**

11:30-13:10 **Contributed Session X: Spectroscopy & Imaging II**

11:30-11:50 OL35: Florent Abdelghafour - Combining spectral and spatial features extracted from hyperspectral images: Application on the detection of scab disease

11:50-12:10 OL36: Rodrigo Rocha de Oliveira - 2-D wavelet image decomposition and Multivariate Statistical Process Control for blending end-point detection

12:10-12:30 OL37: Valeria Tafintseva - Modelling and preprocessing of sparse infrared spectra

12:30-12:50 OL38: Nicola Cavallini - Tracing the identity of mountain product Parmigiano Reggiano PDO cheese using 1H-NMR spectroscopy and multivariate data analysis

12:50-13:10 OL39: Paolo Oliveri - A combined chemometric strategy for a non-destructive age estimation of biological fluid stains

13:10-14:30 **Lunch & Poster session**

14:30-15:00 **KN3: Maria Cruz Ortiz - Analytical Quality by Design using a computational approach for the inversion of a PLS model**

15:00-16:00 **Contributed Session XI: Omics/ASCA and related methods II**

15:00-15:20 OL40: Miguel De Figuereido - Rebalanced ASCA (RASCA) to handle unbalanced multifactorial designs

15:20-15:40 OL41: Michel Thiel - LMWiRe: an R package for Linear Modeling of Wide Responses based on ASCA family of methods

15:40-16:00 OL42: Claudia Beleites - An Experimental Design Perspective on Cross-Validation

16:00-16:30 **Coffee break & Poster session**

16:30-17:50 **Contributed Session XII: Spectroscopy & Imaging III**

16:30-16:50 OL43: Siewert Hugelier - Quantifying the Tau protein aggregation degradation process by classification of super-resolution fluorescence microscopy localizations

16:50-17:10 OL44: Erik Tengstrand - Calibration transfer of Near-Infrared and Raman models without using transfer samples

17:10-17:30	OL45: Alisa Rudnitskaya - Characterization of microplastics from marine organisms using near infrared hyperspectral imaging
17:30-17:50	OL46: Jose Luis Aleixandre-Tudo - Spectral evaluation of fresh grapevine organs using self-organizing maps (SOM)
17:50-18:30	**Awards Ceremony (Elsevier Chemometrics and Intelligent Laboratory Systems Award & Lifetime Achiement Award)**
20:15-01:00	**Social dinner**

Friday 2 September 2022

09:00-11:00	**Contributed Session XIII: Theory & algorithms II**
09:00-09:20	OL47: Nematollah Omidikia - Infrared Ion Spectroscopy Peak Matching using Peak Annotation Technique
09:20-09:40	OL48: Sergio Oller Moreno - Peak matching across Gas Chromatography-Ion Mobility Spectrometry samples
09:40-10:00	OL49: Wouter Saeys - Multivariate monitoring and update strategies for calibration models
10:00-10:20	OL50: Sean Rozinski - What's UMAP Doing Anyway?
10:20-10:40	OL51: Ramin Nikzad-Langerodi - Does it Transfer? Assessing model generalization in domain adaptation with data fusion
10:40-11:00	OL52: Benjamin Mahieu - New developments around the VIP index
11:00-11:30	**Coffee break & Poster session**
11:30-12:50	**Contributed Session XIV: Applications III**
11:30-11:50	OL53: Dmitry Kirsanov - Chemometrics in spent nuclear fuel reprocessing
11:50-12:10	OL54: Joscha Christmann - Monitoring of fermentation processes by gas chromatography-ion mobility spectrometry (GC-IMS)
12:10-12:30	OL55: Martín Bravo - Development of an analytical platform for the identification of Fusarium circinatum in culture media, using VIS-NIR spectroscopy and chemometric methods
12:30-12:50	OL56: Tim Offermans - Retrospective Quality by Design r(QbD) using Historical Process Data and Design of Experiments
12:50-13:30	**Conference Closing**

POSTER LIST

P1:   Fernanda Honorato - Authenticity of almond flour using handheld near infrared instruments and one class classifiers

P2:   Florent Abdelghafour - Unsupervised calibration transfer between spectrometer and hyperspectral camera: challenge proposed at the congress "Chimiométrie 2022"

P3:   Riccardo Aigotti - Odor concentration predictive model based on the odor activities of odorants produced by a municipal solid waste odor abatement scrubber

P4:   Ricard Boqué - ATR-MIR and MCR-ALS as a tool for monitoring wine alcoholic fermentation and detecting bacterial spoilage

P5:   Ricard Boqué - Prediction of beer shelf life using an HS-MS e-nose

P6:   Nicola Cavallini - The NIR side of lentil

P7:   Alessandro D'Alessandro - Exploiting pesto sauce by several analytical platforms: looking for most efficient information extraction and data fusion approach

P8:   Tiziana Forleo - Application of chemometric approaches to answer some archeological questions for the study of the Apulian Red-Figure Pottery

P9:   Gianmarco Gabrieli - Leveraging an integrated sensor array and machine learning to accelerate sensory evalution of coffee

P10:   Barbara Giussani - Insights into multivariate data analysis for real-case fermentation process with miniaturized NIR spectroscopy

P11:   Klaudia Glowacz - Identification of metal ions with the use of quantum dots coupled with excitation-emission matrix fluorescence spectroscopy

P12:   Jule Hansen - Evaluation of preprocessing strategies for LCMS data using R

P13:   Christel Kamp - Spectral identification of therapeutic allergen products

P14:   Nicholas Kassouf - Comparison between colloidal and volatile profiles to create a chemometric model to classify different tomato sauce brands

P15:   Nicholas Kassouf - Multivariate analysis of colloidal and volatile profiles for class-modeling of different tomato sauce brands

P16:   Victor Cardoso - A comparison between artificial neural networks and partial least squares for coffee assessment by high-resolution mass spectrometry

P17:   Erwin Kupczyk - Benchmarking Machine Learning approaches for hit detection in High-Content Screening

P18:   Qicheng Wu - Robust quantitative analysis in Laser-Induced Breakdown Spectroscopy (LIBS) using artificial neural networks

P19:   Miguel De Figueiredo - Analyzing multifactorial designed data from multiple sources with a single model using AComDim

P20:   Giulia Gorla - Investigating sources of variance in miniaturized NIR spetroscopy: find clues and solve the riddle

P21:   Luis A. Sarabia - Logical analysis of the sample pooling results for qualitative analytical testing: a proof-of-concept study

P22:   Daniel Schorn-García - Acetic or lactic bacteria contamination? ASCA has the answer

P23:   María Julia Culzoni - A fluorometric photo-induced four-way calibration method for the determination of multiclass pesticides in citrus fruits

P24:   María Julia Culzoni - Chemometrically assisted high-throughput methotrexate sensing strategy based on a pH-switchable optical nanosensor

P25:   Hector Goicoechea - Multiway data modeling for enhancing classification performance: fluorescence data as case of study

P26: Andrés Martínez Bilesio - Data fusion approach applied in chemometrics-assisted metabolomics analysis

P27: Nicola Cavallini - Mapping Chemometrics with Chemometrics

P28: Isabelle Viegas - Joint factorization of right-angle and front-face fluorescence data to improve PARAFAC pure profiles recovered from oil-in-water emulsions

P29: Marc Marín García - Multivariate Curve Resolution of incomplete and partly multilinear multi-block data sets

P30: Tobias Karakach - Low signal intensity, measurement errors and biological significance: a model for LC-MS proteomics

P31: Reza Nafari - Quantitative evaluation of red meats in kebab loghmeh samples: fourier transform infrared data and chemometric methods

P32: Justine Raeber - Fast and Convenient Authenticity Control of Natural Products using Mass Spectrometry and Chemometrics

P33: Anastasiia Surkova - Aquaphotomics study of body fluids in cancer research

P34: Soeren Wenck - Opening the Random Forest Black Box of the Asparagus Metabolome

P35: Elianna Castillo - Relationship between cadmium availability and soil properties in cacao farms at Santander – Colombia

P36: Abdelaziz Ait Sidi Mou - Application of multivariate data analysis coupled with spectroscopy to agroalimentaire investigation in Morocco: advancement and challenge

P37: Matthias Rüdt - Chemometrics – a chemometric Python package

P38: Rustam Guliev - Structuring and generalizing implementations of N-FINDR algorithm for unmixing hyperspectral data

P39: Erik Johansson - Variable removal by logical blocks in OPLS predictions

P40: John Kalivas - Rashomon effect and model interpretabiltiy: is it possible?

P41: Lyle Lawrence - Diagnostic Plots to Aid Final Model Selection

P42: Mansuk Oh - Bayesian Multivariate Receptor Modeling Software: BNFA and bayesMRM

P43: Maria Sagrario Sánchez - Compliant class-models based on PLS2 to handle several categories encoded with error correcting output codes

P44: Patrícia Valderrama - Are we there yet? efficient exploration and visualization of multivariate data with SCORXPLOR

P45: Macarena Rojas - Chemical variation of sugar beet subjected to long-term storage by Vis-NIR spectroscopy, Hyperspectral Imaging and chemometric methods

P46: Francesco Savorani - The NMR side of lentil: protein extraction and hydrolyzation, and a bit of data fusion

P47: Marek Sikorski - Explorative study of strawberry juice from various fruit varieties using absorbance-transmission and fluorescence excitation-emission matrix technique

P48: Sin Yong Teng - Chemsy: Simultaneous feature selection, pre-processing search, model selection, and hyper-parameter optimization in Python

P49: Sonia Nieto Ortega - Reliable determination of the lipidic profile of oils extracted from fish by-products through near infrared spectroscopy and chemometrics

P50: Claudete Pereira - A multivariate approach to quantify the enhancement effect on surface-enhanced spectroscopies

P51: Beatriz Quintanilla-Casas - Virgin olive oil excitation-emission matrices: exploring their usefulness to predict taste attributes

P52: Antonino Restivo - Multivariate Data Analysis and PAT in vaccines development: enabling multiple components quantification in complex formulations

P53: Elisa Robotti - Optimization of the parameters of a continuous annealing process in a steel producing company by multivariate statistics and Artificial Neural Networks

P54: Laura Rolinger - Blend uniformity design space development and verification by PAT for minibatch blending

P55: Carolina Silva - Application of class-modelling approaches for botanical and geographical origins of honey samples based on mineral content

P56: Giacomo Squeo - Application of DoE and multivariate analysis for TXRF method development and data analysis. A case-study from the agri-food sector.

P57: Mauro Tomassetti - A new survey for multicomponent analysis to solve problems linked to nano-compounds (case study)

P58: Berta Torres - Discriminant classification models applied to hazelnut unsaponifiable fingerprint for geographical and varietal authentication

P59: Patrícia Valderrama - Multivariate control chart based on PCA/Q residuals to evaluate Salmonella in meat-bone flour

P60: Helene Halberg - Fluorescence spectroscopy of wine, a complex food system

P61: Daniele Tanzilli - IMAGINE NIR to monitor Pesto sauce industrial production

P62: Lucas F. Voges - Genotyping and statistical analysis of marzipan with DMAS-PCR

P63: Andrea Junior Carnoli - Alternative approaches to untargeted LC/GC-MS data analysis

P64: Cannon Giglio - Analysis of Pinot Noir Wines Using UV-Vis Spectroscopy

P65: Milan Chhaganlal - Evaluation of the accuracy of NMR predictors for the prediction of fatty acid spectra

P66: Mohamad Ahmad - An IDEL perspective on handling spatial correlation in hyperspectral imaging

P67: Juan Araya - Identification of spectral patterns associated to different aggregation states of beta amyloid peptide in hyperspectral images through chemometric analysis

P68: Juan Araya - Supervised pattern recognition using near infrared spectrum of serum for diagnosis of gestational diabetes mellitus

P69: Issam Barra - Soil spectroscopy: use of chemometrics for fine-tuning spectra acquisition- case of scans number optimization

P70: Katharina Beier - Classification of Horsetails using Machine Learning Methods on NIR Spectra

P71: Irati Berasarte - Time-based colorimetric method for the simultaneous determination of calcium and magnesium ions with silver nanoparticles

P72: Hooriyeh Borhani - Investigation of an innovative method for classifying nanostructures based on time series analysis and fuzzy logic in microscopic images

P73: Ewa Sikorska - Multivariate models for prediction quality parametrs of berry beverages using FTIR-ATR spectroscopy

P74: Jokin Ezenarro - Olive ripening assessment methodologies using digital image analysis

P75: Davide Gattabria - An exploratory study on monitoring tomato plant growth by near infrared portable devices

P76: Hector Goicoechea - Chemometric approaches to enhance the potential of new IR spectroscopic technologies

P77: Hector Goicoechea - Feasibility of MCR-ALS to exploit the second-order advantage with first-order and non-bilinear second-order data. a systematic characterization

P78: Ivan Krylov - Approximation of Martian rock emission spectra by multiparametric optimization

P79: Saeedeh Mohammadi Tanouraghaj - An assessment of the potential of different vibrational spectroscopic techniques in classification of various types of liquid milk by using multivariate chemometric methods

P80: Arsenio Muñoz De La Peña - Discriminant analysis of three and four-way fluorescence data for classification issues

P81: Alessandra Olarini - Hyperspectral imaging data: clustering or spectral unmixing?

P82: Nicholas Pedge - Update of Transmission Raman Spectroscopy Calibration Models using Dynamic Orthogonal Projection (DOP)

P83: Jordi Riu - Classification of bitter and sweet almonds using NIR miniaturized instruments

P84: Mohamad Ahmad - A solution based on sample weighting to the leverage problem in Multivariate Curve Resolution-Alternating Least Squares

P85: Gorka Albizu - Different chemometric strategies to control PTFE in Ni-P/PTFE electroless coating baths by UV-VIS

P86: Tomass Andersons - Pure component recovery for rank-deficient problems

P87: Cristian Fuentes - Application of a segmented analysis by MCR-ALS on 1H-NMR spectroscopy for the identification of adulterations in brown sugars

P88: Adrián Gómez-Sánchez - Unmixing exponential signals by Kernelizing

P89: Jan Hellwig - Multi-Layer modeling of time series of NMR spectra

P90: Nunzia Iaccarino - Exploring the dynamic equilibria of non-canonical DNA structures by Multivariate Curve Resolution and 2D correlation spectroscopy

P91: Paulo Henrique Março - Pseudo-univariate calibration through MCR-ALS applied to electrochemical data to determine different amino acids simultaneously

P92: Nematollah Omidikia - On the Visualization of Bayesian Nonnegative Factor Analysis

P93: Nazanin Saburouhvahid - Application of PARAFAC for curve resolution of fluorescence lifetime imaging data

P94: Aina Queral Beltran - UV absorption spectrophotometry and LC-DAD-MS coupled to chemometrics analysis of the degradation of sulfamethoxazole drug by UV/chlorine advanced oxidation processes

P95: Carlos Pérez López - The potential of the ROIMCR methodology for sewage water sample characterization in environmental proteomics

P96: Eugenio Sandrucci - Monitoring the State of Health (SOH) of green batteries (GreenBat)

P97: Claudia Scappaticci – SIMCA framework for multi-block class modeling

P98: Alessandra Biancolillo - ICP-OES analysis coupled with chemometrics for the characterization and the discrimination of high added value Italian Emmer samples

P99: Juan Araya - Gestational diabetes mellitus, preterm birth and macrosomia early prediction using multivariate analysis on clinical and biochemical data

P100: Michel Rocha Baqueta – Chemometrics-assisted microNIR spectroscopy for large-scale classification and authentication of high-quality Brazilian Canephora coffees

USEFUL INFORMATION

All the conference activities (except for the social program) will take place in the Cannizzaro Building (CU014) of the Chemistry Department of Sapienza University of Rome, which is located in the main University campus (main entrance is in Piazzale Aldo Moro 5). You can see how to access the Cannizzaro building from the main entrance in the map below:

The main lecture hall is **Aula La Ginestra**, which is located on the first floor of the building (signs will guide you through the access), while the poster boards will be mounted in the space outside the main entrance of the Chemistry building, where coffee breaks and lunches will also be served.

Registration

The registration desk is located in the main entrance hall of the Chemistry building and will be open throughout the conference.

A cash point is available next to the registration desk for on-site registrations, refunds and/or purchase of optional tours and additional conference dinner tickets.

When signing in at the registration desk, you will receive your conference badge and a conference bag with the conference material. Please make sure to wear your badge at all times while attending the conference.

Instructions for speakers

Presenting authors are encouraged to upload their presentations (directly on the computer located in Aula La Ginestra) as early as possible and, anyway, not later than the coffee break/lunch interval before their session.

Virtual Special Issue

Analytica Chimica Acta and Chemometrics and Intelligent Laboratory Systems journals are asking for the submission of review and research papers to the virtual special issue (VSI) dedicated to the subject: *Chemometrics: Intelligent data analysis for Analytical Chemistry.*

Accepted papers will be considered for publication in either one of the two journals. Details about the submission procedure to this VSI will be sent to all CAC2022 participants just after the conference has finished.

CAC2022 will be an environmentally friendly event promoting social solidarity: thanks to the Food for Good project endorsement, we will collect the surplus food at the end of the Conference meals and deliver it to charitable organizations such as family homes, soup kitchens and refugee centers, in accordance with applicable hygiene regulations and in compliance with Italy's Good Samaritan law (Law 155/2003)

SILVER SPONSORS

REGULAR SPONSORS