11th European and Global Summit for Clinical Nanomedicine, Targeted Delivery and Precision Medicine - The Building Blocks to Personalized Medicine

FIRST ANNOUNCEMENT - September 2 - 5, 2018

Conference and Exhibition

Summit under the Auspices of the Swiss Confederation in Collaboration with 31 Organizations:

Scientific Committee
- Prof. Dr. med. Patrick Hunziker, University Hospital Basel (CH) (chairman)
- Prof. Dr. med. Christoph Alexiou, University Hospital Erlangen (D)
- Prof. Dr. Gerd Binnig, Nobel Laureate, Munich (D)
- Prof. Dr. Yechezkel Barenholz, Hebrew University, Hadassah Medical School, Jerusalem (IL)
- Prof. Dr. med. Omid Farokhzad, Director, Center for Nanomedicine, Harvard Medical School and Brigham and Women's Hospital, Boston (USA)
- Prof. Dr. Twan Lammers, DSc, Institute for Experimental Molecular Imaging, RWTH Aachen University Clinic, Aachen (D)
- Prof. Dr. med. Dong Soo Lee, PhD. Chairman, Department of Nuclear Medicine Seoul National University (KOR)
- Dr. med. h.c. Beat Löfler, MA, CEO, CLINAM-Foundation, Basel (CH) (Programme)
- Prof. Dr. med. Marisa Papaluca Amati, European Medicines Agency, London (UK)
- Prof. Dr. Gert Storm, Institute for Pharmaceutical Sciences, Utrecht University, (NL)
- Prof. Dr. Viola Vogel, Laboratory for Biologically Oriented Materials, ETH, Zürich (CH)

Goal of the CLINAM Foundation

The goal of the CLINAM Foundation is to contribute to the benefit of patients and society by exploring and translating leading edge technologies towards clinical application, with an emphasis on Nanomedicine, Targeted Medicine Precision Medicine and Personalization. The summit keeps its tradition to build bridges from the enabling technologies to clinical application for major and neglected diseases. There is broad support for this summit by more than 30 collaborating institutions.
Introduction

The CLINAM Summit is an exquisite and globally unique event that brings together all stakeholders in Nanomedicine, Targeted Medicine and Precision Medicine. It builds on the principle that fundamental scientists, developers and professionals in clinical application and in all to Nanomedicine related persons can mutually learn from each other to find better solutions for the medicine of the future. Based on recent groundbreaking achievements, the meeting will be a highlight that will enlighten the pathways to personalized Medicine in Diagnosis, Therapy and Development of Materials and Tools for the discipline.

CLINAM 11 / 2018 will involve

- The scientific basis of Nanomedicine
- The Pathway from Nanomedicine to Precision Medicine
- Where Basic Research and Clinic Converge
- Molecule Screening vs. Nanomedicine
- Understanding of Nano Interacting with Life
- Exosomes for Delivery of Nanodrugs
- A Better Use of Terms: Definitions in Nanomedicine and Related Fields
- Paradigms for Application of Nanocarriers – Models and late Breaking and ongoing Trials
- Engineering Extracellular Vesicles for Drug Delivery
- New Developments in Analytic and Diagnostic Technologies
- Targeting and Personalization
- The Impact of Digital Technologies and Modeling on Nanomedicine
- Experimental and Clinical Application
- Precision Immunotherapies
- The Pathway to safe Nanomedicines
- Breakthroughs in Successful Clinical Applications
- The Entrepreneur-Session - Route to Market
- Plenary Sessions Highlighting the Most Recent and Provocative Developments in Precision Medicine
- Biological Impact of Nanomaterials
- Safety of Nanomedicine by Design
- Smart Delivery of Established Drugs
- Enabling Delivery of New Classes of Agents
- Theranostics for Real-time Imaging
- Recruiting the Immune System for Improved Immunotherapy
- ...and further topics

CLINAM will welcome again more than 500 participants from the community of Nanomedicine and Targeted Medicine and aims at bringing together the pioneers and worldwide opinion leaders, not only to learn and discuss but also to develop new ideas, create new collaborative projects and shape the future. More than 500 participants from more than 35 countries at every Summit, show the role of the CLINAM Foundation as the service provider for Novel Nanomedicine, Targeted Delivery and Precision Medicine.

The call for papers and the first list of invited Speakers will be available by December 2017

Categories of Topics

Clinical Topics:
Nanomedicine and targeted medicine for cardiovascular disease, rheumatic disease, oncology, gastro-intestinal/hepatic disease, bacterial infection, viral infection, parasitic infection, implantology, inflammation, hematology, diabetes, neurology, neurosurgery, orphan diseases, eye and ear disease, tuberculosis, HIV, Ebola, tissue repair, orthopedics, etc...

Precision Medicine Topics:
Precision Medicine represents the core of CLINAM’s vision for the clinical medicine of the future. Precise assessment of patient states from the molecular level up, utilizing the whole array of leading edge technologies, and often based on nanoplatforms. This again leads to treatment strategies tailored to the individual patient and may include new ways of applying existing drugs but also include development of novel, targeted and often nano-based therapeutics. The topics covered in CLINAM conferences deliver the toolbox and the strategies enabling precision medicine.
Technology Topics:
Nanosystems, nanoparticles, nanoanalytics and diagnostics, toxicology, nano-imaging, targeted drug delivery, using nanoparticles, GMP and quality assurance, propositions for solving a medical problem in a novel way by the use of nanotechnology, novel concepts and ideas if they can be supported by thorough reasoning and could lead to novel research and solutions. Materials for use in nanotechnology and targeted medicine, concepts, diagnosis and therapy in the field of personalized medicine: clinical diagnosis and management on the individual patient's clinical signs and symptoms, medical and family history, and data from laboratory and imaging evaluation to diagnose and treat illnesses, genetic testing leading to more personalized treatments. In addition, relevant novel tools for translational research and diagnostics are of high interest, etc...

Implications Topics:
Implications of Nanomedicine for society, developing countries, environment, risks and benefits, public health finance, health economics, and other subjects, etc ...

Strategy, Government and Political Topics:
Strategy building and policy processes in nanomedicine. Strategic approaches towards establishing a unified funding area for nanotechnologies for medical research. Policy processes to foster leadership in Nanomedicine, regulatory authority topics as well as financial and marketing matters.

Industry Topics:
Industry projects and solutions in Nanomedicine and targeted medicine, tools related to Nanomedicine and targeted medicine. Industry models for the future large-scale production, Good Manufacturing Practice, etc...

Exhibitors Topics:
Integrated interventions of exhibitors that are of scientific or technical high relevance and do not have the solely purpose of promoting the trademark.

University Village Topics:
The University Village is an exquisite forum for universities and research institutes, giving them opportunity to present themselves as well as novel approaches, new research projects and initial outcomes of research, and patents. Researchers and engineers can use the foyer to install exhibition booths as one-stop-shops for the large spectrum of conference participants. University Village members are eligible for presentations in a special session of Small Speeches, 3 minutes in length and serving to highlight the research activities in Nanotechnology and Targeted Medicine.

Target Audience
The faculty includes the pioneers and opinion leaders in the fields of medicine, nanoscience and targeted medicine, who share experience in an interdisciplinary and interactive manner that widens mutual understanding for both sides The Summit and the exhibition are aimed at physicians, as well as nonscientists with a background in pharmacology, biology, physics, chemistry, biophysics, medicine materials science and engineering. The meeting is a particularly useful source of knowledge for the targeted medicine and delivery community. The Conference is also of interest for members of the regulatory authorities as well as policymakers, experts from industry in the field of life sciences, developers of new tools and materials for Nanomedicine, and all those investigating the potential of emerging technologies in the field of healthcare. Experts from venture companies can acquire knowledge on existing and upcoming developments and novel products in the emerging field of Nanomedicine and Knowledge Based Medicine. Government authorities can profit from the regulator's international sessions. CLINAM is the worldwide melting pot for experts and a high-level communication platform where you meet those striving for equal goals.

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<thead>
<tr>
<th>Conference Venue</th>
<th>Organizers Office</th>
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<tbody>
<tr>
<td>Congress Center Basel</td>
<td>European Foundation for Clinical Nanomedicine (CLINAM)</td>
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<tr>
<td>Meseplatz 21, CH-4021 Basel, Switzerland</td>
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CLINAM
- uniting the global community of nanomedicine and targeted medicine
- performing nanomedical and clinical research and promoting its clinical applications
- setting nanomedicine into the broad context of related medical procedures, technologies and therapeutic trends
- promoting and supporting the global transfer of knowledge
- networking in nanomedicine and targeted medicine by international summits, national conferences, summer-schools and seminars
- acting as non-for-profit neutral platform for all stakeholders and authorities in nanomedicine and related fields