

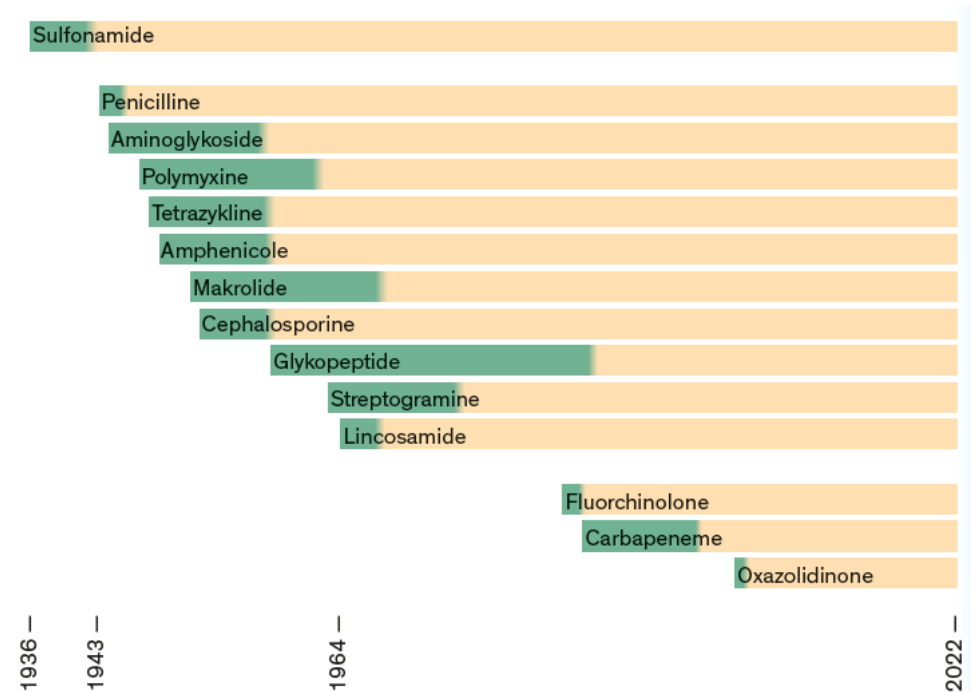


Biotechnet meetup Antibiotics Platform

Sion, 31.01.2023

AMR as a «century problem»

- We can only slow down, but not stop the spread of resistant bacteria.
- Our antibiotics stem from the last century.
- The silent pandemics is on the rise, also in Switzerland.



Mission of the antibiotics platform

- Expert group from academia and industry with a focus on antibiotic development and rapid diagnostics.
- Providing networking opportunities (“keeping track”).
- New partnerships for Innosuisse projects and beyond.
- Organization of national and international events.
- A platform for translational projects originating from national research programs (e.g. NCCR AntiResist)

32 Members

Industry

[Basilea Pharmaceutica Ltd.](#), Dr. Jürg Dreier
[BioVersys](#), Dr. Michel Pieren
[Idorsia Pharmaceuticals Ltd](#), Dr. Daniel Ritz
[Juvabis](#), Dr. Sven Hobbie, Dr. Marc Creus
[LASCCO](#), Dr. Samareh Lajaunias
[leadXpro](#), Prof. Michael Hennig
[LimmaTech Biologics AG](#), Dr. Michael Kowarik
[Polyphor](#), Dr. Daniel Obrecht
[Resistell](#), Dr. Danuta Cichocka
[rqmicro](#), Dr. Hans-Anton Keserue
[F. Hoffmann-La Roche Ltd](#), Dr. Christoph Bieniossek
[SpheroBiotics](#), Dr. Irene Wüthrich and Dr. Steven Schmitt

Academia

EPF Lausanne, Institute of Physics, [Prof. Dr. Giovanni Dietler](#)
ETH Zurich, Institute of Microbiology, [Prof. Dr. Jörn Piel](#)
ETH Zurich, Institute of Pharmaceutical Sciences, [Prof. Dr. Karl-Heinz Altmann](#)
ETH Zurich, Department of Health Sciences and Technology, [Dr. Mathias Schmelcher](#)
FHNW School of Life Sciences, Institute for Chemistry and Bioanalytics, [Prof. Dr. Daniel Gygax](#), [Prof. Dr. Eric Kübler](#)
HES-SO Valais-Wallis, Institute of Life Technologies, [Prof. Dr. Origène Nyanguile](#)
University of Basel, Biozentrum, [Prof. Dr. Christoph Dehio](#), [Prof. Dr. Urs Jenal](#), [Prof. Dr. Dirk Bumann](#), [Prof. Dr. Sebastian Hiller](#), [Prof. Dr. Médéric Diard](#)
University of Berne, Department of Chemistry and Biochemistry, [Prof. Dr. Jean-Louis Reymond](#), [PD Dr. Tamis Darbre](#)
University of Berne, Institute for Veterinary Bacteriology, [Prof. Dr. Vincent Perreten](#)
University of Zurich, Department of Chemistry, [Prof. Dr. Karl Gademann](#)
University of Zurich, Institute of Medical Microbiology, [Prof. Dr. Markus Seeger](#)

Organizations with an Antibiotics agenda

[CARB-X accelerator Basel](#), Dr. Malcolm Page
[BaselArea.swiss](#), Dr. Ralf Dümpelmann
[SNSF NRP72 program](#), Prof. Dr. Christoph Dehio, Stéphane Praz
[Swiss Biotech Association \(SBA\)](#), Michael Altorfer

NRP 72 – Synthesis process

“Faster diagnostics and new therapeutic approaches”

Working group members: Petra Dittrich, Martin Loessner, Patrice Nordmann, Jörn Piel, Jean-Louis Reymond, Markus Seeger

Coordinator of working group: Markus Seeger

Sounding board: Marc Gitzinger (BioVersys), Michael Altorfer (SBA), Ken Bradley (Roche), Laura Piddock (GARDP), Christoph Eymann (Nationalrat), Claus Bolte (Swissmedic), Rudolf Blankart (Roundtable Antibiotics), Gilbert Greub (CHUV), Katharina Stärk (Federal Food Safety and Veterinary Office),

Steering committee members: Susanne Häussler, Malcolm Page

NRP 72 – Synthesis process

Involved stakeholders





IMPROVING THE EFFECTIVENESS OF ANTIBIOTICS, CURBING RESISTANCE

Programme summary

Improving the effectiveness of antibiotics, curbing resistance

ROUTES AND RESERVOIRS OF AMR-DETERMINANTS & ONE HEALTH AMR-SURVEILLANCE

Thematic synthesis 1

Routes and reservoirs of AMR-determinants & One Health AMR-surveillance

FASTER DIAGNOSTICS AND NEW THERAPEUTIC APPROACHES

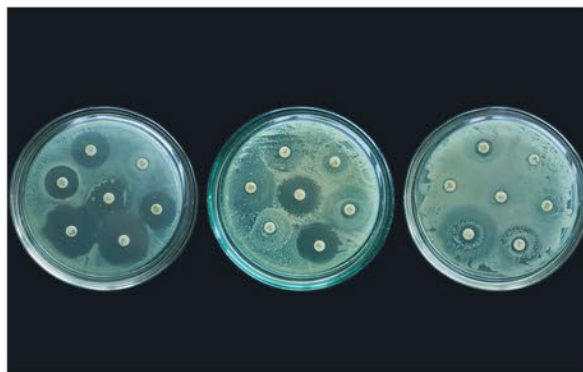
Thematic synthesis 2

Faster diagnostics and new therapeutic approaches

OPTIMIZED USE OF ANTIBIOTICS AND BEHAVIOR CHANGES

Thematic synthesis 3

Optimized use of antibiotics and behaviour changes



Closing press conference

Video of the press conference on 15.11.2022

Report published in Nov 2022

Upcoming event

Indo-Swiss AMR innovation meeting in Bangalore 29th to 31st Oct 2023

Looking into the future by going where the situation is bad already today.

Exploring innovative solutions to combat AMR.

Finding international partners for research projects and beyond.

Indo-Swiss AMR innovation meeting

Swiss delegation of around 25 members will be matched by corresponding Indian delegation.

Three-day program with broadcasted talks and field trips.

Logistically supported by Swissnex India and NCBS in Bangalore.

Financially supported by SATW and biotechnet.

Franz Baumberger thankfully acts as treasurer.

Future of Antibiotics Platform

Sustainable and continuous networking platform, that brings together key players in antibiotic development and rapid diagnostics in Switzerland.

Planning and execution of special events to explore fresh ideas and establish novel partnerships.

Active participation in events organized by third parties (e.g. Incate, NCCR AntiResist)

Connection to Roundtable Antibiotics (political agenda)

Antibiotics platform within biotechnet: networking activities across disciplines and institutions.