



Symposium Learning from Nature, learning from our Ancestors

From tradition to evidence based medicines

Date:

April 14-15, 2016

Place:

Leiden, The Netherlands

Venue Naturalis, Pesthuislaan 7

Costs:

**€ 200-Editors, Editorial board members,
Reviewers, Students**

€ 400-Others

After February 28th add an extra € 100

Registration deadline:

April 3rd, 2016

More information:

**<http://science.leidenuniv.nl/index.php/events/learning-form-nature-learning-from-ancestors/>
leidensymposium2016@gmail.com**

This symposium is particularly meant to set standards for research in this multidisciplinary field by having leading scientists of the monodisciplines speaking about the latest developments in their field so we can learn how these might be used in the natural products research.

The symposium will be of particular interests for all editors, editorial board members and reviewers in the field as they are the ones that guard the quality of the research and spread information about the standards in the research.

Speakers

Bert Visser – A short introduction to the Nagoya protocol and the problems that have evolved and how to solve these. What criteria should be used to evaluate scientific publications?

Tinde van Andel - How to make regional ethnopharmacological surveys more than a list of traditional uses of plants, often already known from other regions? How can such studies contribute to evidence for safe use of the traditional medicines?

Monique Simmonds - What is the future of plant names? Sequencing is getting easier and cheaper, can identification be done just by sequencing? Long term storage of DNA could be as an herbarium voucher specimen, what is the role and importance of herbaria in these new possibilities?

Nicholas Moore – Primary pharmacology. How to start studies that may lead to evidence based traditional uses of medicinal plants?

B. van de Water - Primary toxicology, animal free methods for first safety tests medicinal plants.

Giovanni Appendino - Medicinal chemistry and medicinal plants. Single target versus systems pharmacology approach for understanding activity of medicinal plants and developing new leads?

Renger Witkamp - A view on the dilemma: first chemistry or activity in medicinal plants and food?

Alvaro Viljoen - Quality control of herbal medicine with undefined active compounds. How to link relevant activity (including toxicity) with chemical profiles?

Gudrun Ulrich-Merzenich - An overview of synergy in nature in general and how to properly proof this in medicinal plants.

Meindert Danhof - Are new approaches systems pharmacology and network pharmacology, applicable in polypharmacy and medicinal plants studies?

J. van Gerven Aspects of developing clinical trials for traditional medicines and personalized medicine.

Young Choi - Metabolomics as a tool in studies of medicinal plants, sometimes targeted methods better? How to standardize and store medicinal plant data?

Rob van der Heijden - What can we expected from future developments of equipment in the studies of biologically active compounds? The role of systems and omics approaches.

Johannes Novak - Barcoding: how should these be used in identification and quality control for contaminations? A central repository needed?

Johan Memelink -Transcriptomics as a tool to understand the biology of a system, e.g. signal transduction. How to deal with localization and time scale of the processes involved.

Pia Vuorela - Organisms have diverse defense systems against microorganisms, antibiotics being a specific example. Can we learn other approaches from nature to deal with infections.

Thomas Efferth – How can new insights in cancer research be applied for studying medicinal plants traditionally used to treat cancer patients. Reductionist versus systemic approaches?

Herman Spaijk – Can zebrafish as a model in screening biological activities be coupled with both medicinal chemistry and network pharmacology and systems biology approaches to drug discovery.

Still to be announced: big data; statistics to trace fraud; C. elegans

Present your own work in the Mini-poster-orals session (see website)