



第15回 The 15th International Symposium on Traditional Medicine in Toyama 2017

国際伝統医薬シンポジウム 富山 2017

天然資源の活用を目指した 研究最前線

Research Frontiers for Promoting Utilization of Natural Sources

2017年11月8日(水)~9日(木)

13:00~17:00 9:30~17:20

富山第一ホテル 3階「天平の間」
富山市桜木町10-10

Date: November 8-9, 2017

Venue: Hall "TENPYO", 3rd floor, Toyama Dai-ichi Hotel

Address: 10-10 Sakuragi-cho, Toyama, 930-0082

入場
無料

参加ご希望の方は当日会場にて受付いたします。
講演はすべて英語で行われます。

The First Day, November 8, 2017

13:00-13:20 Opening Ceremony

Kinzo Matsumoto (Director, Institute of Natural Medicine, University of Toyama)

Shunro Endo (President, University of Toyama)

Takakazu Ishii (Governor, Toyama Prefecture)

Session I

Analyzing the mechanism of action of traditional medicines

Chair person: **Yoshihiro Hayakawa** (University of Toyama)

13:20-14:00 **1** **Haruki Yamada** (Specified nonprofit corporation DNDi Japan, Japan)
Elucidation of action mechanism of Kampo medicines as multi-ingredients natural drugs

14:00-14:40 **2** **Sang Kook Lee** (Seoul National University, Korea)
Antitumor activity of natural phenanthroindolizidines and daphnane diterpenoids

Session II

Application of natural products

Chair person: **Hiroyuki Morita** (University of Toyama)

14:40-15:20 **3** **Venkata Ramana Murthy Kolapalli** (Andhra University, India)
Natural gums: Versatile excipients in drug delivery systems

15:20-15:40 Coffee Break

Session III

Discovering the drug leads from natural sources (Part I)

Chair person: **Suresh Awale** (University of Toyama)

15:40-16:20 **4** **Matthias Hamburger** (University of Basel, Switzerland)
Library-based discovery of bioactive natural products – tools and some recent results

16:20-17:00 **5** **Motoo Tori** (Tokushima Bunri University, Japan)
Chemical diversity of some *Ligularia* species in the Hengduan mountains, China

18:00-20:00 Reception

The Second Day, November 9, 2017

Session IV

Discovering the drug leads from natural sources (Part II)

Chair person: **Kazufumi Toume** (University of Toyama)

9:30-10:10 **6** **Osamu Muraoka** (Kindai University, Japan)
Salacinol, a potent α -glucosidase inhibitor from ayurvedic traditional medicine "Salacia" as a lead for anti-diabetic agents

10:10-10:50 **7** **Nwet Nwet Win** (University of Yangon, Myanmar)
Discovery of bioactive natural products from Myanmar medicinal plants

10:50-11:30 **8** **Maurice D. Awoufack** (University of Dschang, Cameroon)
Phytochemical investigation of some Cameroonian medicinal plants

11:30-13:00 Lunch Break

Session V

Biosynthesis of natural products and engineering useful substances

Chair person: **Takuya Ito** (University of Toyama)

13:00-13:40 **9** **Hiroyuki Morita** (University of Toyama, Japan)
Studies on the biosynthesis of 2-alkylquinolones and manipulation of plant polyketide-producing enzymes to produce new compounds

13:40-14:20 **10** **John L. Sorensen** (University of Manitoba, Canada)
The annotation and heterologous expression of secondary metabolite biosynthetic gene clusters from the lichen *Cladonia uncialis*

14:20-15:00 **11** **Dan Hu** (Jinan University, China)
Characterization of the biosynthesis of fusidane-type antibiotics

15:00-15:20 Coffee Break

Session VI

Quality and sustainability of traditional medicines

Chair person: **Katsuko Komatsu** (University of Toyama)

15:20-16:00 **12** **Andrey A. Gontcharov** (Far Eastern Branch of the Russian Academy of Sciences, Russia)
Wild and cultivated medicinal plants for sustainable and effective uses in Primorsky Krai, Russia

16:00-16:40 **13** **Zhong-Mei Zou** (Chinese Academy of Medical Sciences & Peking Union Medical College, China)
Metabonomics-based study on active constituents and mechanism of action of Chai-hu Shu Gan San

16:40-17:20 **14** **Takuro Maruyama** (National Institute of Health Sciences, Japan)
Quality assurance for crude drugs: genetic and chemical approaches

17:20 Closing Remarks

Hiroyuki Morita

(Vice Director, Institute of Natural Medicine, University of Toyama)

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http://www.inm.u-toyama.ac.jp/jp/TM_sympto/15th.html

