

# THE MONTHLY LIST

DECEMBER 2017



## LIAB AWARD 2017: A CELEBRATION OF COLLABORATIVE RESEARCH

Through the LIAB Award and its over 30 candidates from more than 16 countries, the Luxembourg Institute of Science and Technology (LIST) and its partner PM-International have succeeded in connecting Luxembourg to some of the best researchers in the field of bioinnovation. This year's winner of the LIAB Award was Paul Spagnuolo, a world leader in neutraceutical research who discovered an avocado-based lipid that attacks leukemia stem cells.

Picture from left to right: Georges Mischo - Mayor of Esch-sur-Alzette, Prof. Dr Lucien Hoffmann - Director ERIN Department LIST, Paul Spagnuolo - Winner of LIAB Award 2017, Dr Fernand Reing - CEO a.i. LIST, Rolf Sorg - CEO PM-International

On 23 November 2017, about 120 guests assisted a night of research celebration at LIST's first International Award in Bioinnovation (LIAB Award 2017), including the newly elected Mayor of Esch-sur-Alzette, Georges Mischo, representatives from the Ministry of Research and Higher Education, the Ministry of Economy and the Ministry of Health, as well as colleagues from the University of Luxembourg and Luxembourg's other research institutions.

During the ceremony, the work of the LIAB Award winner, Dr Paul Spagnuolo, was rewarded receiving a check of 10,000 euros, courtesy of PM-International. In his in-depth presentation, Paul Spagnuolo demonstrated his latest discoveries, on how Avocatin B, a lipid contained in the avocado, showed impressive positive effects in the treatment of leukemia patients. Exemplified by Spagnuolo's work, the LIAB award rewards research findings and technologies that are particularly likely to be transferred to the market.

The LIAB Award is sponsored by PM-International, a Luxembourg-based nutrition company specialized in premium dietary supplements and health products. This collaboration is in no way coincidental. LIST and PM-International have been working together on innovative bioactive molecules for dietary supplements and cosmetics for about a year.

Shared laboratories between the two partners have been set-up in LIST's main laboratory building in Belvaux. This joint infrastructure facilitates operations and investments in the extraction and transformation of plant-derived molecules. Thanks to this type of research based on close collaboration with industrial partners, LIST can ensure that its research gets transferred into the market.

The LIAB Award 2017 is also highly representative of the Research and Innovation Campus of Esch-Belval that unites many of Luxembourg's public research players, such as the Universtiy, FNR, LIH, LISER, Luxinnovation and Technoport. Thanks to this concentration, the Mayor of Esch-sur-Alzette highlighted the importance of innovation and research as a great asset in view of 2022, when the City of Esch-sur-Alzette will be the European Capital of Culture

# OTHER HIGHLIGHTS



## Luxembourg

### MINISTRY OF AGRICULTURE AND LIST CONSOLIDATE THEIR COLLABORATION

LIST and the Ministry of Agriculture, Viticulture and Consumer Protection have signed a framework agreement for the next three years. With this agreement, the Ministry is committed to provide financial support to LIST's agriculture-related research tasks, research programs and projects. Covering the period from 2018 to 2020, the convention defines the overall scope of LIST's activities as well as the conditions for the allocation of financial contributions by the Ministry for their good achievements. [Learn more on www.list.lu](http://www.list.lu)

## Scientific Excellence

### LIST PROMOTES ITS RESEARCH TO LUXEMBOURG'S NEXT GENERATION

From 9-12 November 2017, LIST participated in two events promoting science to the next generation of researchers in Luxembourg. With their activities spanning four days at the Science Fair in Luxembourg's Neumunster Abbaye, LIST scientists motivated school children and the general public by presenting research projects such as Goodyear, Smart Materials or Luxembourg's first Microcontroller for kids, at three separate stands.

During the Student Fair at Luxexpo in Kirchberg, HR staff from LIST presented the institute and its job opportunities to secondary school students considering a career in research and development. LIST had the honour of welcoming the Prime Minister, Mr Xavier Bettel, and the Minister for Higher Education and Research, Mr Marc Hansen, to the LIST stand.

[Learn more on www.list.lu](http://www.list.lu)



## Technology

### REGTECH INNOVATION AWARD FOR TECHNOLOGY LICENSED BY LIST

On 30 November 2017, LIST together with eProseedRTC, was honoured to receive, the "RegTech Innovation of the Year" Award, at the Luxembourg Finance Innovation Summit. The award recognizes companies helping their customers to deal with complex financial regulatory environments by offering solutions meeting compliance and reporting requirements by focusing on innovative technology. In the framework of a collaboration with the National Commission for Data Protection (CNDP), Digital Luxembourg and eProseedRTC, the new General Data Protection Regulations (GRPD) tool was designed and prototyped by a team of experts from LIST's ITIS department, through a comprehensive database of 350 regulatory requirements. The tool has been transferred, for industrialization to the company eProseedRTC, software publisher FinTech / RegTech and IT service provider.

[Learn more on www.list.lu](http://www.list.lu)

## Event

### LIST PARTNERS WITH "THE ECONOMIST" IN MAJOR EVENT ON MATERIALS

On 13-14 November 2017, LIST participated in the Future of Materials Summit organized by The Economist Events in Luxembourg. The international event brought together 700 peers under the theme "A new age for manufacturing" with the aim to explore how new materials are opening the way for new industries and also help solve some of humanity's greatest challenges.

LIST was represented by Prof. Dr Jens Kreisel, director of the MRT department, who spoke about the importance of new materials to the economic diversification of Luxembourg. It was in the context of LIST's implication in the summit that one of this year's Nobel Prize laureates in Physics, Wolfgang Ketterle, visited the LIST laboratories. [Learn more on www.list.lu](http://www.list.lu)



## WHERE TOMORROW BEGINS

Located in the heart of Belval's Research & Innovation Campus, LIST can ideally connect its over 600 specialists in materials, environment and IT, including its many PhD students, through a broad range of joint research projects, programmes and partnerships with virtually all of Luxembourg's other major research players. At Belval, the University of Luxembourg, LIH, LISER, Technoport, Luxinnovation and the Luxembourg National Research Fund are all literally within arm's reach.

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