



INNOVATORS UNDER 35 FRANCE

innovatorsunder35.com

#Innovators35EU

4th edition

13th of April, 2016

L'Atelier BNP Paribas

14, rue Bergère
Paris

EUROPEAN PARTNERS



FRENCH ECOSYSTEM PARTNER



SILVER PARTNER



MEDIA PARTNERS



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Index

THE PROGRAM

MIT TECHNOLOGY REVIEW

INNOVATORS UNDER 35 FRANCE

THE WINNERS 2016

THE AWARDS CEREMONY 2016

INNOVATORS UNDER 35 EUROPE 2016

The Program

WELCOME AND OPENING

6:30 pm

• **XAVIER DUPORTET** - CEO AT ELIGO BIOSCIENCE AND INNOVATOR OF THE YEAR FRANCE 2015 AS MC

AS MASTER OF CEREMONY

• **KATHLEEN KENNEDY** - PRESIDENT, *MIT TECHNOLOGY REVIEW* AND MIT ENTERPRISE FORUM

• **MURIEL PÉNICAUD** - CEO OF BUSINESS FRANCE

COMMUNITY STORIES & WINNERS ANNOUNCEMENT

6:40 pm

FIRST ROUND OF PITCHES: MEMBERS OF THE INNOVATORS COMMUNITY WILL PRESENT THEIR SUCCESS STORIES AND INTRODUCE THE NEXT GENERATION OF INNOVATORS FRANCE 2016

DESIGNING THE CLASSROOM OF THE FUTURE

7:10 pm

HOW DO WE USE TECHNOLOGY TO REVOLUTIONIZE THE EDUCATION SYSTEM AND IMPROVE THE ENGAGEMENT OF EDUCATORS IN A FAST CHANGING WORLD, WHILE LIMITING THE AMOUNT OF EARLY EXPOSURE TO TECHNOLOGY?

INTERVENANTS:

- **FRANÇOIS TADDEI**, DIRECTOR OF THE CENTRE FOR RESEARCH AND INTERDISCIPLINARITY
 - **MATHIEU NEBRA**, CO-FOUNDER OF OPENCLASSROOMS
-

COMMUNITY STORIES & WINNERS ANNOUNCEMENT

7:45 pm

SECOND ROUND OF PITCHES: MEMBERS OF THE INNOVATORS COMMUNITY WILL PRESENT THEIR SUCCESS STORIES AND INTRODUCE THE NEXT GENERATION OF INNOVATORS FRANCE 2016

SPECIAL MENTIONS

8:10 pm

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- **KATHLEEN KENNEDY**, PRESIDENT, *MIT TECHNOLOGY REVIEW* AND MIT ENTERPRISE FORUM WILL ANNOUNCE THE NAME OF THE SOCIAL INNOVATOR
 - **JACQUES D'ESTAIS**, DEPUTY CHIEF OPERATING OFFICER OF BNP PARIBAS WILL ANNOUNCE THE NAME OF THE INNOVATOR OF THE YEAR
-

CLOSING

8:20 pm

THE GET TOGETHER: NETWORKING & COCKTAIL

8:25 pm

MIT Technology Review

MIT Technology Review
**is the oldest and most
prestigious international
Technology magazine.**



The mission of *MIT Technology Review* is to equip its audiences with the intelligence to understand a world shaped by technology. We identify the technologies and innovators who have the greatest potential to change business, society, and the world for the better.

Innovators Under 35 is the leading community of innovators, pioneers and social changemakers. Created in 1999, this community is curated by *MIT Technology Review*.

Innovators Under 35 France

**Who is the next
generation?**



We are proud to present our 10 winners and their remarkable projects, finding creative solutions to the world's problems in a unique and unprecedented way.

With the support of our European partners, BNP Paribas and L'Atelier BNP Paribas since the first edition, we aim to offer them visibility and recognition, acknowledging their efforts and welcoming them into our global community of innovators.

The Winners 2016

Laurent Boitard

Timothée Boitouzet

Franz Bozsak

Vincent Bryant

Clémentine Chambon

Matthieu Claybrough

Marjolaine Grondin

Stanislas Niox-Chateau

Sandra Rey

Jeremy Stoss



Laurent Boitard **Milidrop**

Microorganism analysis tools have barely advanced for decades. Culture dishes are still used by industrial sectors and pharmaceuticals to study mold, yeast, bacteria, algae and fungi, microorganisms that have an effect on people's health and can be used in the production of food and medicine.

These manual cultivation techniques however take time and require a costly and complex team to automate them. Laurent Boitard, CEO of MilliDrop and Doctor of both Chemical and Physical Biology and IT, at the University of Denis Diderot in Paris, has developed an alternative that can leap to a different scale by employing 'milli fluidics' technology.

His focus is to grow bacteria on the inside of a single drop, put these drops together inside a thin tube, and analyze thousands of them at the same time. With his first instrument, the Millidrop Analyser, researchers can study the characteristics of thousands of microorganism populations cultivated inside the tube. They can also expose them to antibiotics and observe their response, extract samples and recover them at any moment in an automated manner.



Timothée Boitouzet **Woodoo**

Formed among some of the most prestigious universities (Ecole Nationale Supérieure d'Architecture de Versailles, Kyoto Institute of Technology, Harvard University, Massachusetts Institute of Technology) and the greatest architectural studies (Dominique Perrault, Henning Larsen, Herzog & de Meuron), Timothée Boitouzet wants to revolutionize the world of architecture through the most ancient building material: wood.

Through his startup, Woodoo, Boitouzet has designed a treatment that eliminates lignin and replaces air with synthetic polymers that provide the wood with some surprising characteristics. The first and most noteworthy is that it allows light to pass through it, making it translucent. Also and perhaps more important, the treatment protects it from decomposition, fires and even makes the material 10 times more resistant. Boitouzet dreams of 30 floor skyscrapers built with his transparent wood.

**Franz Bozsak Instent**

Stents are small implants that are placed in arteries to enlarge them and help avoid blockage. While Franz Bozsak was studying for his thesis about how to optimize the design of stents, he asked himself the following question: Once implanted, how do you know if stents work?

This is how Instent was born, a startup that is looking to combine hundreds of micro sensors that allow the doctor as much as the patient to know how to advance recovery and therefore prevent possible complications before a problem arises.

**Vincent Bryant Deepki**

Buildings and industrial structures are responsible for more than half of CO2 emissions but each construction is different and it is impossible to apply a generic solution to mitigate contamination. It is therefore necessary to develop a customized solution.

This is why Deepki Ready was born, a software and service project led by Vincent Bryant. Through algorithms that analyze big data and predictive models, Deepki gives its users an effective way of analyzing information energy, so they can prioritize energy saving at a low cost.



Clémentine Chambon **Oorja Solutions**

India is the most populated country on the planet but a large number of its citizens still do not have access to a quality source of electricity, which excludes hundreds of millions of them from the country's development. In order to fix this, there is a need to set up power plants and improve their supply network. Clémentine Chambon believes that the short term solution is to create micro networks around hybrid production plants that use solar power and biomass energy from agricultural residue so that growth is sustainable and neutral in terms of greenhouse gas emissions. Her project, Oorja Solutions, hopes to grow in close contact with local communities.



Matthieu Claybrough **Donecle**

Drones could be the greatest allies of plane passengers and save airlines millions as well as a lot of time. This is what Matthieu Claybrough came to understand, engineering master at the Ecole Polytechnique de Palaiseau and founder of the Toulouse startup, Donecle. The crowds of drones devised by this young man fly over aircrafts situated on the inside of plane hangars, looking for damage on airframes. Through a software, it scans and detects defects in real time, that could have been produced by the impact of lightning during a flight for example. The Donecle drones fly and steer themselves autonomously without the need of GPS or beacons, thanks to a system based on Simultaneous Mapping and Localization conceived by Claybrough.

Until now, visual inspections have been carried out by 15 or 20 operators using hydraulic platforms and other heavy equipment, whereas Donecle's drones do the job 20 times quicker: in 20 minutes, instead of 8 hours. The technology devised by Claybrough could also be applied in tunnel inspections, wind turbines, bridges, boats and other large infrastructures where the process is slow and can be dangerous for operators.



Marjolaine Grondin Jam

Imagine arriving at a new city and having to find a new apartment, working part time and at the same time organizing your life as a student. What could be better than sending a message to someone who knows how to help you? That is what Marjolaine Grondin thought, to be that friend that a student can turn to who can fix any problems or doubts they may have.

Or better put, develop a business, Jam, that thanks to artificial intelligence and the work of a group of humans, is responsible for finding the best response to whatever question the students may send them.



Stanislas Niox-Chateau Doctolib

Before becoming a renowned entrepreneur, Stanislas Niox-Chateau was a professional tennis player. After a serious back injury, he realized that it was difficult to find a doctor quickly. Since the invention of the telephone there had been no technology that allows you to easily book an appointment. Why not change that he thought?

This was the start of Doctolib, the startup co-founded in 2013 by Niox-Chateau that in a little more than two years now offers its patients an appointment management platform for free that helps find a doctor close to them. With more than 3.5 million unique visitors every month and more than 6,500 associated health professionals, Doctolib aspires to improve access to healthcare for 500 million Europeans and transform the organization of hundreds of thousands of doctors and health centers.



Sandra Rey **Glowee**

Can you imagine a world where we don't need electricity to produce light? With this revolutionary vision was born Glowee in 2013, the project of Sandra Rey, during her masters in Industrial Design at the Strate École de Design de Sèvres in France. Today Glowee is a promising clean technology startup that has developed a novel system of urban street lighting based on bioluminescence.

Glowee's products are flat packs of transparent resin that contain a nutritious solution where bioluminescent bacteria live. While the bacteria consume the nutrients, they emit a pleasant light that does not contaminate or require electricity. These systems are stuck to flat surfaces and emit light for approximately a month before they are replaced. Their shape can be personalized. Rey believes that they will transform street lighting in places where they offer an added esthetic and economic value, like in shop windows or areas where electricity access is expensive or complicated.



Jeremy Stoss **Afrimarket**

70% of African migrants like to know how money is spent that they send back to their country of origin. Knowing this, Jeremy Stoss decided to create "digital vouchers", a system that allows the payment of goods and services in African businesses without the intervention of banks or other intermediaries.

The business co-founded by Stoss, Afrimarket, has developed a technology that allows the payer to create an electronic wallet with a sum of money and decide on what the recipient can spend the money. The businesses that use the system provide a device that communicates with the mobile of the client and verifies the transaction. At the moment, the service is available in five African countries but Stoss plans to expand the company's markets soon.

The Awards Ceremony 2016

The annual event of
MIT Technology Review
in France



The 10 Innovators Under 35 France will be revealed this year by the community.

Xavier Duportet, Innovator of the Year in 2015 is the master of ceremony and will be with Kathleen Kennedy, President of *MIT Technology Review* and MIT Enterprise Forum.

During the Awards Ceremony, leading experts will share their ideas and knowledge about the future of education.

Rémi Dangla

Jacques d'Estais

Xavier Duportet

David Fattal

Cécilia Gabizon

Rand Hindi

Nicolas Huchet

Kathleen Kennedy

Romain Lacombe

Mathieu Nebra

Muriel Pénicaud

Julie de Pimodan

François Taddei



Rémi Dangla
CEO de Stilla Technologies



Jacques d'Estais
Directeur Général Adjoint de
BNP Paribas



Xavier Duportet
CEO de Eligo Bioscience et
Innovateur de l'Année France 2015



David Fattal
Fondateur et CEO de Leia Inc



Cécilia Gabizon
Fondatrice de la Street
School



Rand Hindi
Fondateur de Snips



Nicolas Huchet
Fondateur de BionicoHand



Kathleen Kennedy
Présidente du *MIT Technology
Review* et MIT Enterprise Forum



Romain Lacombe
Fondateur et CEO de Plume
Labs



Mathieu Nebra
Co-Fondateur de
OpenClassrooms



Muriel Pénicaud
PDG de Business France



Julie de Pimodan
Fondatrice de Fluicity



François Taddei
Directeur du Centre de
Recherches Interdisciplinaires

Innovators Under 35 Europe 2016

In an effort to strengthen the global community, *MIT Technology Review* launches the second edition of the European regional project. With the collaboration of BNP Paribas and L'Atelier BNP Paribas, six countries will take part in this project, conducting local Innovators Under 35 awards of their own: France, Belgium, Poland, Italy, Germany and Poland.

At the second stage of the European project, the winners will come together at the European Summit to share their knowledge and experiences in creating a better future for the continent and the world.

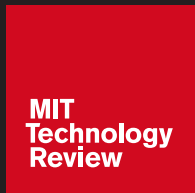
UPCOMING EVENTS INNOVATORS UNDER 35 EUROPE 2016

• INNOVATORS UNDER 35 BELGIUM	May 25th
• INNOVATORS UNDER 35 POLAND	June 28th
• INNOVATORS UNDER 35 GERMANY	July 5th
• EMTECH FRANCE	October 6 - 7
• EMTECH BOSTON	October 18 - 20
• INNOVATORS UNDER 35 SPAIN	October 27th
• SUMMIT EUROPE	November 24th



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**WE CREATE THE TECHNOLOGY
THAT WILL SHAPE THE FUTURE**