



***We make it accessible***

- **Who are we ?**
- **What are we doing ?**
  - *Open polyvalent platforms*
  - *Development of diagnostic kits and reagents*



## Infectious diseases

### *Burden in low-resource countries*



**95%**

Of deaths per year due to infectious diseases occur in low-income countries ...

## **HIV / AIDS**

**70 %**

of the new infections in the world<sup>1</sup>...

**24,7 M**

of people infected by HIV in Africa<sup>1</sup>

**...are in Africa**

## **Hepatitis**

**5-10 %**

of the population is infected by hepatitis B in Africa<sup>2</sup>

**1,4 M**

deaths per year are due to hepatitis B and C<sup>3</sup>

1: <http://www.unaids.org/fr/resources/campaigns/2014/2014gapreport/factsheet>

2: <http://www.who.int/mediacentre/factsheets/fs204/fr/> 3: [http://medecinetropicale.free.fr/cours/hepatite\\_virale.pdf](http://medecinetropicale.free.fr/cours/hepatite_virale.pdf)

**Limited number of  
qualified health workers**

*Health workers for 1 000 inhabitants<sup>5</sup>*

10,4 **Europe**

4,0 **Average**

1,0 **Africa**





80%

of medical  
doctors in  
Africa  
are localized  
in one  
or  
two cities<sup>6</sup>

42 km

distance of a marathon  
**OR**  
distance traveled by women  
in Nigeria to get access to  
medical support.<sup>7</sup>

**Most people does not have  
access to health facilities**

6: <http://www.m-n-d-p.org/samaria-sante#.V8hGbZiLTIU>

7: <http://accesauxsoins.msf.lu/>





**Thus, three main issues have to be overcome**

**1**

↗ **Profitability**

↗ **Accessibility of tests**

↘ **Costs**

**2**

**To strengthen technical capacities**

**3**

**To decentralize the diagnostic tests**



**Our company: improving diagnostic access for infectious diseases**



## Our story

### Growth and Consistency

**90's /2000's**  
**Clinical research**  
(UMR 1058 laboratory)



**2008-2011**  
**Pierre-Alain RUBBO**  
**Thesis (UMR 1058)**



**2011 / 2012**  
**3 patents**



**2011**  
**BIC et LRI coaching**



**2013**  
**Winner of the French**  
**national contest for**  
**innovative companies**



**April 2014**  
**Omunis is born**



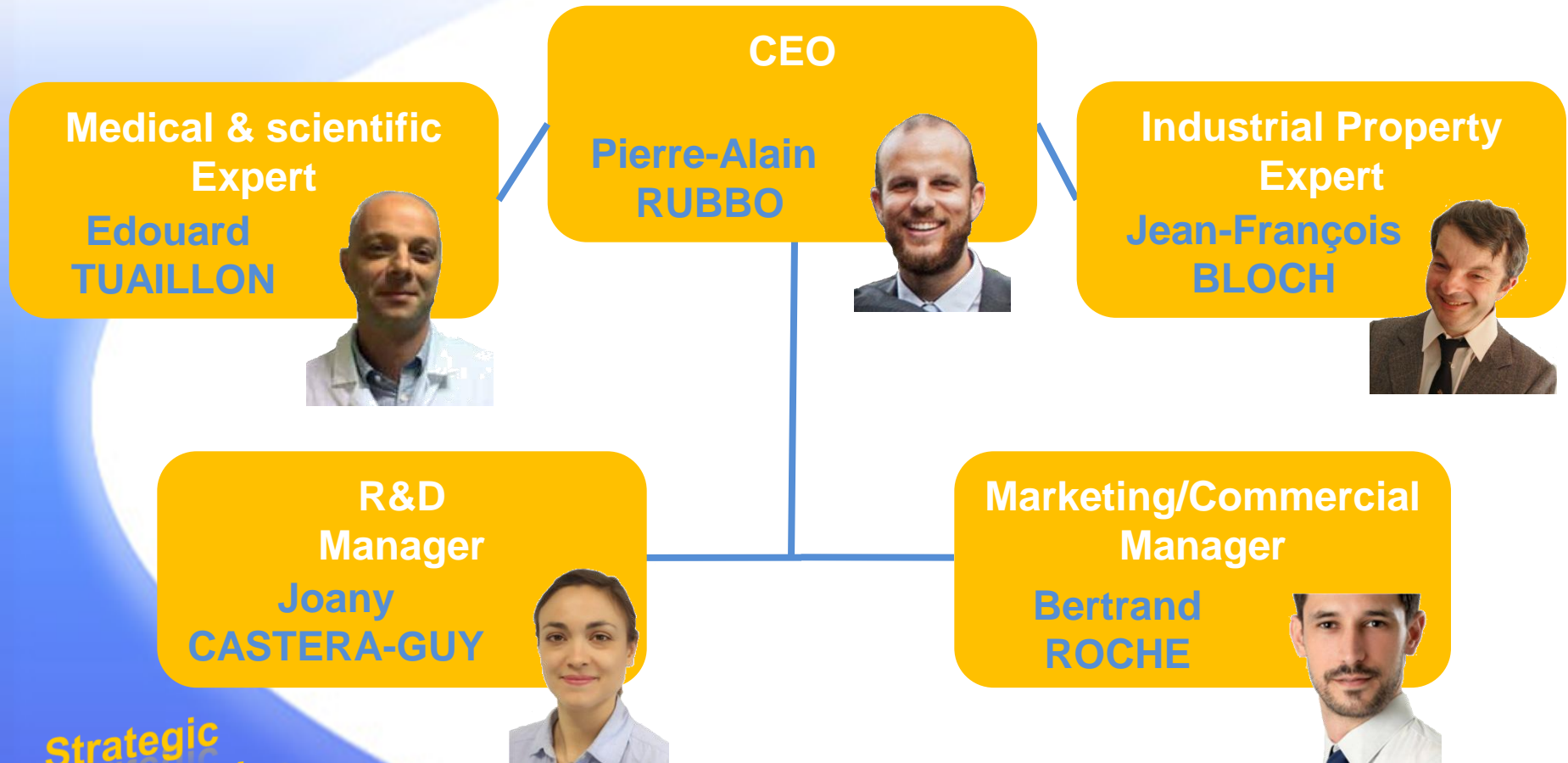
**January 2016**  
**5 people**



**January 2016**  
**Finalist of worldwide**  
**innovation contest**

## Our team

*Expertise and complementarity*



**Strategic  
partnerships**

- **Logistics:** Production, Distribution
- **Regulatory:** Quality, CE marking
- **Clinic:** Samples access, External validations
- **Technical:** Reagents access, Expertise, Licenses



# Our solutions

## 3 ways to answer your needs

Omunis



**Open polyvalent platforms**  
*Complete solution for  
molecular biology*

*Economic pack*



*We are  
here to  
-help-*



**Universal real-time PCR Kits**  
*Standardization / Cost limitation*

**Personalized partnership**  
*Customized PCR Kits*

Providing raw  
materials  
(samples,  
reagents, etc.)

**R&D  
Collaboration**

Pooling  
investments  
and  
benefits

Purchase of  
post-  
development  
kits, royalties,  
etc

**Our innovation**  
*The Omunis platform*

polyvalent

**open**

**Platform**

molecular

biology

*For diagnostic  
and therapeutic monitoring of  
infectious diseases in resource-  
limited countries*

**Equipments**

**Reagents, kits and  
consumables**

**Real-Time  
PCR**

**Training and  
quality control**

**After sales  
service, hotline  
and maintenance**





# The Omunis platform

## An economic **PACK**



### THERMOCYCLER

48 tubes ou 96 wells

For the amplification step (*manual extraction*)



### DEMONSTRATION KITS

3 kits from the PUMA range provided.

(as part of the training session, 100 tests per kit)



### TRAINING SESSION 5 days / 3 students

- Extraction and real-time PCR techniques
- Technical maintenance of the thermocycler
- Ready-to-use kits (*extraction + amplification*)



### AFTER-SALES SERVICES

For any questions on the use of thermocycler or on the real-time PCR technique.

**"To make the viral load analyses accessible"**

# Optional equipments

## Customize your platform

### Centrifuges



### Vortex



### Economic pack



We Are  
here to  
—help—

### Hoods



### Diagnostic kits and reagents



**PUMA range**  
HIV, Hepatitis, emerging  
and neglected diseases...

**Other kits on demand**  
**DNA/RNA internal controls**  
**Extraction kits**

### Automated extraction system



### Consumables



Contact us for  
more information





*“Open polyvalent platforms provide an additional innovative response to the integrated systems. They fit the needs of countries with limited resources, to measure the viral load in routine.”*

*OPP-ERA project <sup>1</sup>*

## Universal available kits

### *Our PUMA range*



**PUMA HBV kit**

**Detect & Quantify HBV**  
*load in blood*



**PUMA HCV kit**

**Detect & Quantify HCV**  
*load in blood*



**PUMA HDV kit**

**Detect & Quantify HDV**  
*load in blood*



**PUMA Lepto kit**

**Detect & Quantify Leptospirosis**  
*load in blood*



**PUMA Syphilis kit**

**Detect & Quantify Syphilis**  
*load in blood*



**PUMA HBV kit**  
*(semi-quantitative)*

**Quantify HBV**  
*load in blood (1 standard)*



## Personalized partnership

### *Diagnostic tests and reagents*

**No** commercial solution ?

**Or** not enough reliable solutions ?

**Or** **too expensive solutions** ?

We develop customized reagents and kits, either from your “in house” technique or our own protocol.

**R&D  
services**

**OR**

You:  
**Providing raw  
materials**  
(samples,  
reagents, etc.)

**R&D  
Collaboration**

You and us:  
**Pooling  
investments  
and  
benefits**

You:  
**Purchase of post-  
development kits,  
royalties,  
etc ...**

## Personalized partnership

*Our efforts / Your benefits*

### Universal

Usable on **all of your  
open devices**

### Optimized

Rigorous selection of reagents  
Improved protocol

**Limited costs  
Time saving**

**Profitability  
Accessibility  
Efficiency  
Easy-to-use**

### Standardized

**Similar results from a kit  
to another**

### Validated at each step

Clinical  
Technical

**Reliability &  
Performance  
of the technique**

**Reliability**

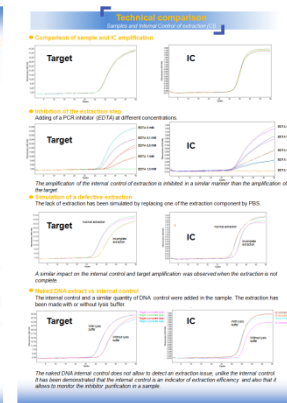
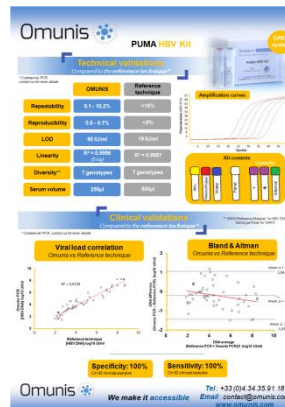
**Contact us for  
more information**

**Tel** : +33 (0)4.34.35.91.18  
**Email** : [contact@omunis.com](mailto:contact@omunis.com)  
[www.omunis.com](http://www.omunis.com)

## Our catalog

*Diagnostic kits and reagents*



## The technical sheets of our products

*Performances and  
clinical evaluations*



*universal*

*easy-to-use*

***We make it accessible***

*affordable*

*efficient*