


<b>Partner Full name</b>	 <p>Asclepios Tech SAS</p>
<b>PIC Number</b>	895033163
<b>The organization and legal entity: (web address)</b>	<a href="https://asclepiostech.com/index.php/en/home/">https://asclepiostech.com/index.php/en/home/</a>
<b>ORGANIZATION NAME (ShortName):</b>	AT
<b>Description of organisation's main activities, skills/experience/technologies relevant to the Project</b>	
<p>Asclepios Tech is a French start-up company based near Toulouse in Occitanie which is 1<sup>st</sup> agricultural region in France in terms of surface area, 1<sup>st</sup> organic region in number of farms (7227 = 20% of French organics farmers) and the world's largest vineyard in terms of surface area for origin wines.</p> <p>Asclepios Tech developed its expertise in Eco-friendly sustainable natural solutions and invented Boxilumix®, a farm to fork innovative digitalized non-thermal energy-efficient lighting solution linked to a specific database. This system allows to stimulate the production of health-promoting phytochemicals, to decontaminate fruits &amp; vegetables, to extend their shelf life with drastic reduction of food losses &amp; waste, chemicals usage and foodborne diseases and to enhance nutritious density and health beneficial compounds necessary to fight against Non-Communicable Diseases. The results of the tests show decontamination up to 99.99%, extension of preservation of fresh goods up to four times their shelf life and enhancement up to double of antioxidant level, up to triple of total secondary metabolites content. This SME also proposes consulting, support, laboratory tools to scientifically evaluate the impact of the fluence and follow-up tailored made strategic advice and other applications that want to address specific gaps for solution building, testing, demonstration providing sufficient, safe, nutritious, healthy and affordable food for all in a resilient food system, fighting against hazardous pesticides, antimicrobial resistance, F&amp;V losses and waste, nitrogen &amp; phosphorus &amp; GHG-emissions reduction considering insect pollinators while enhancing nutrients.</p> <p>Boxilumix® has been awarded by international Solar Impulse Foundation as an efficient solution to protect the environment in a profitable way, among 1,000 worldwide labeled solutions (<a href="https://solarimpulse.com/efficient-solutions/boxilumix">https://solarimpulse.com/efficient-solutions/boxilumix</a>).</p> <p>Team from Asclepios Tech SAS is constituted of experts and young collaborators, mainly engineers with different skills such as Electronics, Mechanics and Software Engineering. The company respects parity between women and men.</p>	
<b>Profile of Key personnels and Team members:</b> (appended below)	

# Christine BRANDT ROYNETTE

## Chief Technical Officer



French, 57 years old

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## Professional Experience

- 2019 - Present**    **Asclepios Tech**  
*Founder – CTO*  
Sustainable & economical lighting solutions for agriculture and food industry
- 2018 - Present**    **AYDYNG**  
*Founder – President*  
High technologies International Business Development  
R&D project management  
Innovation consulting
- 2005 - 2008**    **Advanced Mobile Technologies**  
*Founder – CTO*  
Rugged embedded systems and robotics  
Optoelectronics projects
- 2002 - 2006**    **CLAREO**  
*Shareholder - CTO*  
Water treatment solutions including UV and electromagnetic treatments
- 2002 - Present**    **TOUWIN**  
*Founder – CEO*
- 1991 - 2002**    **SIMULOG** (French National Institute for Research in Digital Science and Technology Spin Off)  
1998 – 2002 *Member of Executive Committee*  
1998 – 2002 *Scientific Computing and Software Engineering Department Director*  
1995 - 2002 *EU projects WP management*  
1995 – 1998 *Methods and Software Engineering Business Unit Director*  
1993 – 1995 *GUI team Manager*  
1991 – 1993 *R&D Scientific Software Project Manager*
- 1988 - 1990**    **Société d'Informatique et de Systèmes**  
Software engineering R&D project manager
- 1989 - 1992**    **P&C International**  
*Founder - CTO*  
Encryption and anti-virus software design & development
- 1987 - 1989**    **ERGIXAH**  
*Shareholder*  
Software development
- 1986 - 1998**    **Ecole de Guerre Economique – Avenir Technologique**  
Software Engineering trainer
- 1982 - 1988**    **SESA – EDF DER – Air France – CCI Nice – DSA Informatique**  
*6 Internships in Electronics – Optoelectronics – Software Engineering*

## Education

- 2018** ANSSI, France, MOOC Cybersecurity Secnumacademy
- 2017** CentraleSupélec, France, MOOC Project Management with Professor Rémi Bachelet  
(Grand chelem: 2 ECTS + 15 optional modules)
- 1986 - 1988** Paris-Saclay University, CentraleSupélec, France  
Master's degree in Electronical Engineering, Network et Information system
- 1984 - 1986** Aix Marseille University, France  
M. Sc. degree in Automatics and Industrial Software (Major)
- 1982 - 1984** Nice Sophia Antipolis University, France  
Bachelor's degree in Electronics with Automatics and Industrial Software specialization

## Skills

### Leading Change

Strategic Thinking, Flexibility, Vision, External Awareness, Continual Learning

### Results Driven

Accountability, Decisiveness

### Business Acumen

Leadership Competencies, Human Resource, International trade (Europe, USA, Canada, South Africa, India), Budget management, Quality Assurance

### Leading People

Management of international collaborative projects, Conflict Management, Cultural Awareness, Team Building

### Building Coalitions/Communications

Influencing/Negotiating, Partnering, Interpersonal Skills, Oral Communication, Written Communication, Technical writing (French - English)

### Technics

Electronics, Software Engineering

### Languages

French: mother tongue

English: C1

German: B1

Spanish: A2

# Patrick ROYNETTE

## Innovation Officer



French, 58 years old, 4 children  
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## Professional Experience

- 2019 - Present**     **Asclepios Tech**  
*CO-Founder – Innovation Officer*  
Sustainable & economical lighting solutions for agriculture and food industry
- 2007-2020**     **R3 GROUP**  
2010-2020     R3 Holding Corporate Development  
*Corporate International Growth & innovation Manager, Toulouse, France*  
R3 Industrial Venture Inc President & Board president *Aerosurveillance Inc, Boston, MA*  
*Corporate International Growth & innovation Manager, Toulouse, France*  
*More than 10 collaboratives projects led (Aerocots, First, MMCD, WARA, ...)*
- 2007-2010     IRTS SA: VP Business Development, Int. Sales  
*Business Development and Innovation Director*
- 2001-2005**     **XPLORE TECHNOLOGIES Corp: VP International, General Manager**  
*EMEA Manager of 15 sales engineers, Austin, TX, USA Toronto, CA, Vantaa, Finland*
- 1985-2001**     **THALES GROUP**  
1999-2001     BARCO Business Development, Strategic & Technical Director, 70 engineers, Toulouse  
1998-1999     VENTURES Technology expert, Business Director, Expert, Paris 8  
1985-1997     OPTRONICS UV, LASER, LIDAR, detectors expert  
1995-1997     Create and Manage the Technico-Operational Simulation Unit  
1995     Business Director in charge of Quality Missions and Competitiveness Projects  
Projects and Business Director (Sagittaire)  
Technical Expert (Laser 20-20-20, Optronic Processor, UV band MLD, mines detection, Neurons) Opening new field of opportunities: patents, models, ground validation.
- 1990-1992     Product Manager (Laser Alarm Detection for RAFALE)  
Development (dimensioning, analysis value, blue/red TEAM, benches)  
Co-ordination of development teams (40 professionals of 15 different trades)
- 1988-1990     Head of embedded software project (Laser Pod for TV/CT)  
Development Methodology: SART, DOD 2167, AQAP, LOGISCOPE...
- 1985-1987     Trainee employee in the Scientific Department  
Mechanical modeling for the Air-to-Air missile MICA.

## Education

- 2016**     IHEDN, Training “International Crisis management”
- 2013**     HEC, first MOOC Finance Analysis with Professor Pascal Quiry (15/20)
- 2012**     **EMBA ESCP EUROPE<sup>1</sup> Paris, London, Berlin, Madrid, Turino**  
*University of Texas at Austin McCombs School Of business (Leading for Innovation), USA Antai College of economics and management Shanghai Jiao Tong University, CHINA*
- 2000**     **Certified Government Business training (USA)**

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<sup>1</sup> Financial Times Ranking (2020) #7 Worldwide #1 Worldwide in career progression

- 1985 - 1987 Paris-Saclay University <sup>2</sup> CentraleSupélec France**  
*Master's degree in Electronical Engineering, Measurements*
- 1982 - 1985 Paris VI University, France**  
*DEA in Mechanics (R&D Predoctoral studies)*
- 1982 - 1985 Arts et Métiers Paristech, France**  
*Master's degree in Engineering, (Automatic, Electro-technical, Electronic)*
- 1982 - 1984 Lycée Eiffel Dijon, France**  
*Preparatory Cycle in Engineering Sciences*

## Honour and Awards - Publication & Contributions

- 2015 Who's who® professional of the year "Global expert of the year Corporate Development
- 2013 [www.worldwidewhoswhoreleases.com/press-release/patrick-roynette-recognized-by-worldwide-whos-who-for-excellence-in-industrial](http://www.worldwidewhoswhoreleases.com/press-release/patrick-roynette-recognized-by-worldwide-whos-who-for-excellence-in-industrial)
- 2012 Who's who® professional of the year "Government Services & Public Policy"
- 2012 "The industrial GAP" DGA/DDI
- 2010 "French SME Financing engineering with FSI, OSEO and bank" Morgan, Lewis & Bockius
- 2009 "French Export Funding for SME, IRTS in South Africa" COFAMAG
- 2008 "An advanced French Anti-flickering solution for Sonar applications", pub/pat Cannes, FR
- 2007 SID Conference Long Beach, CA, USA and COMPUTEX Taipei, Taiwan ROC
- 2003 "Rugged tablet PC in harsh environment", Invited expert Nice, FR
- 1998 "SiC vs AsGa in Hyper-frequency" note for THALES HQ Technical Manager
- 1996 "Aeronautic Certified Code Generation VAPS, STAGE" DIS HLA, ORLANDO, FL, USA
- 1995 "Laser 20-20-20, avalanche detector and optical fiber for Obstacle Warning System"
- 1994 "Counter measure for Helicopter in UV band", classified patent
- 1991 "Large detector InGaAs", publication and classified patent
- 1989 "L'œil dans la nuit" Le Monde

## Skills

### MBTI

ENTJ

### Leading Change

Innovation, Corporate strategic development, Continual Learning, External Awareness, Strategic Thinking, Flexibility, Vision, Influence, Intelligence

Multi-cultural development by leveraging technical, financial, sales, human stakeholders by influencing the eco-system to reach goals.

### Results Driven

Accountability, Decisiveness

### Business Acumen

Leadership Competencies, Financial Management, Human Resource, International trade (EMEA, USA, Canada, South Africa)

### Leading People

Management of international collaborative projects, Conflict Management, Cultural Awareness, Team Building

### Building Coalitions/Communications

Influencing/Negotiating, Partnering, Interpersonal Skills, Oral Communication, Written Communication, Technical writing (French - English)

### Technics

Optronics, Mechanics, Embedded electronics

### Languages

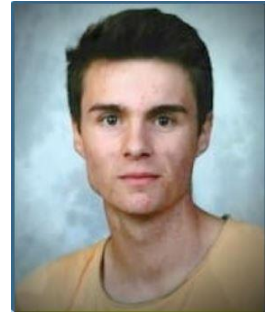
French: mother tongue - English: C1

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<sup>2</sup> #14 of 'Academic Ranking of World Universities, alias "classement de Shanghai"

# Antoine BERCE

## Electrical Engineer



French, 22 years old  
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## Professional Experience

- 2021 - Present**    **Asclepios Tech**  
*R&D Electrical Engineer – 6 months internship to be hire in 2021*  
Sustainable & economical lighting solutions for agriculture and food industry
- 2020**            **Asclepios Tech**  
*R&D Electrical Engineer – 2 months internship*  
Eco-friendly UV LED water treatment systems
- 2016 - 2019**    **Intermarché**  
*Summer job*  
Stock clerk, Order preparer and driver
- 2014**            **Toulouse Blagnac Airport**  
*1 week internship*  
Discovery of air traffic controller job and maintenance of airport radars
- 2013**            **Thalès Alenia Space**  
*1 week internship*  
Discovery of qualification tests for satellite equipments

## Education

- 2018 - 2022**    **ENSEEIHT, France**  
*Master's degree in Electronics, Electric Energy, Automatism, Eco-Energy*
- 2019**            **University College Cork, Ireland**  
*Microelectronics, electric and hydrogen cars, Economics and Social issues*
- 2016 - 2018**    **Lycée Déodat de Séverac Toulouse, France**  
*Preparatory Cycle in Physics and Engineering Sciences*

## Skills

### Technical skills

Computer hardware knowledge (assembly and repair)  
DIY, electronics, car mechanics (complete restoration of a Renault 4L)  
Energy independence: Dimensioning and installation of photovoltaic modules with batteries  
Water collection, treatment, and heating.

### Soft skills

Adaptability, efficiency, Enterprising, team working,  
Oral fluence | French and English.

### Languages

French: mother tongue  
English: C1 – TOEIC score 910  
Spanish: B2

# Joséphine ROYNETTE

## Biological Technician



French, 25 years old  
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## Professional Experience

- 2019 - Present**    **Asclepios Tech**  
*Founder – In charge of survey, process writing and tests*  
Sustainable & economical lighting solutions for agriculture and food industry
- 2020**            **CEMEI polyclinic & Madrid UAX polyclinic, Spain**  
*2 months internships*  
General physiotherapy
- 2016 - 2018**    **Toulouse hospitals (Purpan, Larrey, Rangueil) France**  
*8 Internships*  
Surgery, cardiology, geriatrics, rheumatology, diabetology, reeducation, podiatry, psychiatry, oncology
- 2016 - 2018**    **Private podiatry practice**  
*3 months internships*  
Podiatry

## Education

- 2018 -2022**    **Universidad Alfonso X Madrid, Spain**  
*M. Sc. degree in Physiotherapy*
- 2015 - 2018**    **Toulouse University IFPP, France**  
*B. Sc. degree in Podiatry*
- 2013 - 2015**    **CPES - Sciences Plus Toulouse, France**  
*Preparatory Cycle in Physics, Chemics and Biology*

## Skills

### Technical skills

R&D tools: PubMed, Google Scholar, Mendeley, Zotero  
Microsoft Office, WordPress. Photography

### Soft skills

Autonomy, rigor, empathy

### Languages

French: mother tongue  
Spanish: C1  
English: B1  
German: B1

## Research Study

L. Patureau, J. ROYNETTE, Consequences of the practice of horseback riding on plantar pressures in the rider, Prospective study, IFPP Toulouse University, 2018.



# Quentin MENELOT

## Communication & Dissemination



French, 31 years old  
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## Professional Experience

- 2020 - Present**    **Asclepios Tech**  
*Shareholder – Sales & Marketing*  
Sustainable & economical lighting solutions for agriculture and food industry
- 2018 - Present**    **Destination Tour du Monde & Les bons dormeurs**  
*Co-founder - CEO*  
Affiliation blogs in travel and mattresses industries
- 2015 - 2018**    **Amazon**  
2017 – 2018 *Advertising Sales Manager*  
2016 – 2017 *Key Account Manager for Marketplace*  
2015 – 2016 *New Seller Account Manager for Marketplace*
- 2014 - 2015**    **Very Last Room** (Online Travel Agency specialized in last-minute discount on mobile)  
2015 *Marketing Manager*  
2014 *Sales Manager*
- 2013**    **Procter & Gamble**  
*Sales team support*  
Consumer goods company
- 2012**    **Groupon**  
*Business Development*  
Marketplace for discounted products
- 2010 - 2012**    **Action Grand Sud**  
*Quality Manager*  
Job service company provided missions and jobs to people
- 2010**    **Cameleo Concept**  
*Co-founder – CMO*  
Production of web design materials for SME

## Education

- 2010 - 2014**    **Kedge Business School, France**  
*Master's degree in Business development and Marketing*
- 2012**    **University, China**  
*Exchange studies one semester*
- 2008 - 2010**    **Lyon 1 University, France**  
*Bachelor's degree in Business development*



## Skills

### Technical skills

Digital Marketing (Hubspot, slack, slite, ...)

WordPress, SEO

### Soft skills

Influencing/Negotiating, Partnering, Interpersonal Skills, Oral and Written Communication

Adaptability, efficiency, enterprising, team working

### Languages

French: mother tongue

English: C1

Spanish: B1