



**Curriculum Vitae**



**Personal information**

First name / Family name	<b>Simon Saucet</b>		
Address(es)	3-820 Tsurumi Dai Ni, 2-10 Tsurumi-Chuo, Tsurumi-ku, Yokohama 230-0051, Japan		
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E-mail	simonsaucet@free.fr		
Nationality	French		
Date of birth	12 <sup>th</sup> May 1985		
Gender	Male		

<p><b>Personal statement and statement of intent</b></p>	<p>Along my different research experiences in the UK, France and Japan, I significantly enlarged my scientist analytical and technical skills, and I acquired extensive knowledge on plant-pathogen interactions. In particular, as a result of my work in UK, I published several articles on plants and bacteria molecular interactions which consequently participated to the understanding of pathogens recognition in resistant plants. In addition, the 5 years spent in the UK enabled me to strengthen my spoken and written English. The post-docs I carried-out in France and Japan allowed me to broaden my vision of plant biology and I published articles concerning plant-nematode and plant-parasitic plant molecular interactions. During my work in Japan, I got awarded 3 different post-doc fellowships which allowed me to conduct my research projects in an independent way.</p> <p>My current plan is to re-integrate the French research system. Regarding the dedication to my scientific career and the high interest I developed for the molecular plant-pathogen interactions, I wish to pursue my research on this topic. My goal is to perform a two years post-doc in the 'Plant-Nematode Interactions' team in the 'Institut Sophia Agrobiotech' (ISA) in order to establish myself as an expert researcher in the field of molecular plant-nematode interactions. I am convinced that obtaining an AgreenSkills+ fellowship represents the perfect setup to realize this objective. The AgreenSkills+ programme provides access to high skills development, collaboration opportunities and very attractive conditions to satisfy my international mobility. In addition, it will allow me to integrate ISA; an institute belonging to INRA which is an internationally renowned leading organisation for environmental and agronomical sciences. Performing my project under an AgreenSkills+ fellowship at ISA will therefore be a solid stepping stone to pretend to a future independent researcher position at INRA and in a long-term establish my own laboratory.</p>
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**Education and training**

Location and dates	University of East Anglia, United Kingdom; October 2009 – December 2013
Title of qualification awarded	PhD in Biological Sciences
Principal subjects/occupational skills covered	Molecular Plant-Microbe Interactions Plant pathology, Genetics, Molecular biology, Biochemistry, Microscopy, Bioinformatics, Student teaching
Name of Institute	The Sainsbury Laboratory

Location and dates	Year 2: Université Paris Sud XI, France; September 2008 – June 2009 Year 1: Université Nantes, France; September 2007 – June 2008
Title of qualification awarded	MSc in Plant Sciences
Principal subjects/occupational skills covered	Molecular Plant-Microbe Interactions Plant Pathology, Microbiology, Molecular biology, Bioinformatics
Name of Institute	Year 2: The Sainsbury Laboratory (MSc2 research project) Year 1: Laboratoire de Biologie et Pathologie Végétales (MSc1 research project)

**Work experience**

Location and dates	RIKEN CSRS, Yokohama, Japan; October 2014 – Present
Occupation or position held	Post-doctoral researcher
Main activities and responsibilities	Molecular understanding of parasitic plants' ability to avoid autoparasitism and invade others
Name of employer	JSPS Postdoctoral Fellowship, in Ken Shirasu's laboratory

Location and dates	INRA ISA, Sophia Antipolis, France; January 2014 – June 2014
Occupation or position held	Post-doctoral researcher
Main activities and responsibilities	Functional analysis of major TNL R genes required for nematodes resistance in perennial plants
Name of employer	Daniel Esmenjaud

## Languages

Mother tongue(s): Other language(s): <i>European level (*)</i>	<b>French</b>					
	<b>English</b>	Understanding		Speaking		Writing
		Listening	Reading	Spoken interaction	Spoken production	
	C1	B2	C1	C1	C1	
(*) Common European Framework of Reference for Languages <a href="http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr">http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr</a>						

## Academic Record

Publications	<b>Accepted, in press and published articles / papers:</b>
	1. <b>Saucet SB</b> & Shirasu K (2016). Molecular parasitic plant-host interactions. <i>PLOS Pathogen</i> , accepted.
	2. <b>Saucet SB</b> , Van Ghelder C, Abad P, Duval H & Esmenjaud D (2016). Resistance to root-knot nematodes <i>Meloidogyne</i> spp. in woody plants. <i>New Phytologist</i> , 211:41-56.
	3. Cui S, Wakatake T, Hashimoto K, <b>Saucet SB</b> , Toyooka K, Yoshida S & Shirasu K (2015). Haustorial hairs are specialized root hairs that support parasitism in the facultative parasitic plant, <i>Phtheirospermum japonicum</i> . <i>Plant Physiology</i> , 170:1492-1503.
	4. Sarris PF, Duxbury Z, Huh SU, Ma Y, Segonzac C, Sklenar J, Derbyshire P, Cevik V, Rallapalli G, <b>Saucet SB</b> , Wirthmueller L, Menke FLH, Sohn KH & Jones JDG (2015). A plant immune receptor complex is activated by bacterial effectors that target WRKY transcription factors. <i>Cell</i> , 161:1089-1100.
	5. <b>Saucet SB</b> , Ma Y, Sarris PF, Furzer OJ, Sohn KH & Jones JDG (2015). Two linked pairs of Arabidopsis TNL resistance genes independently confer recognition of bacterial effector AvrRps4. <i>Nature Communications</i> , DOI:10.1038/ncomms7338.
	6. Williams SJ, Sohn KH, Wan L, Bernoux M, Sarris PF, Segonzac C, Ve T, Ma Y, <b>Saucet SB</b> , Ericsson DJ, Casey LW, Lonhienne T, Winzor DJ, Zhang X, Coerd A, Parker JE, Dodds PN, Kobe B & Jones JDG (2014). Structural basis for assembly and function of a heterodimeric plant immune receptor. <i>Science</i> , 18:344:299-303.
7. Sohn KH, <b>Saucet SB</b> , Clarke CR, Vinatzer BA, O'Brien HE, Guttman DS & Jones JDG (2012). HopAS1 recognition significantly contributes to Arabidopsis nonhost resistance to <i>Pseudomonas syringae</i> pathogens. <i>New Phytologist</i> , 193:58-66.	
Presentations as invited speaker	October 2013: Presentation at 'Institut Sophia Agrobiotech'
Authored books or book chapter(s)	-
Participation in open calls for proposals as contributor or leader	-
Graduate teaching as lecturer or training coordinator	Spring 2016: Lecture on 'plant-pathogen interactions' to Japanese students. Spring 2014: Supervision of visiting student in Dr Esmenjaud's Lab.



	Spring 2012: Co-supervision of 'plant-microbe interactions' EMBO practical course. Summer 2011 and 2012: Supervision of international undergraduate students in a 'plant-pathogen interactions' practical course (summer research training program, John Innes Centre, UK).
Awards and prizes, if any	JSPS Post-Doctoral Fellowship for Foreign Researcher (Short-Term), 2014. JSPS Post-Doctoral Fellowship for Foreign Researcher (Long-Term), 2015. Special Post-Doctoral Researcher RIKEN Fellowship, 2015.

**Collaboration and Networking**

Graduate teaching as lecturer or training coordinator; PhD supervision	Autumn-Winter 2012-2013: Supervision of PhD student in Pr Jones's lab.
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**Scientific References**

Full name	Jonathan DG Jones
Position	Group leader
Institution	The Sainsbury laboratory, England
Email address	jonathan.jones@tsl.ac.uk

Full name	Ken Shirasu
Position	Group leader
Institution	RIKEN, Japan
Email address	ken.shirasu@riken.jp

**How did you hear about AgreenSkills programmes?**

	I heard about Agreenskills while I was working in INRA as a post-doc. I enquired about the different fellowship availabilities for young researcher to perform research at INRA. Competent staff recommended me to consider the Agreenskills+ scheme and to visit the Agreenskills website.
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