

**Olivier Jousson***Curriculum vitae,*

scientific and teaching activities

<b>Personal Data</b>	<i>Date and place of birth: Address: Research identifiers:</i>	
<b>Current Professional Address</b>		Department of Cellular, Computational and Integrative Biology - CIBIO University of Trento
<b>Education and Academic Titles</b>	2017 2001  1997  1995	<i>Habilitation Full Professor</i> sector 05/12 - Microbiology <i>Doctor of Philosophy (PhD) in Biological Sciences</i> Thesis in cotutelle supported by the Rector's Conference of the Swiss Universities, University of Geneva, Switzerland, and University of Marseille, France <i>Master Degree (MSc) in Biological Sciences</i> ERASMUS program, University of Geneva, Switzerland, and University of Marseille, France <i>Bachelor Degree (BSc) in Biological Sciences</i> University of Geneva, Switzerland
<b>Professional Experience</b>	2018-present 2007-present  2007-2018 2007  2004-2006  2001-2003	<i>Full Professor of Microbiology</i> Centre for Integrative Biology (CIBIO), University of Trento, Italy <i>Group Leader</i> Laboratory of Microbial Genomics, Centre for Integrative Biology (CIBIO), University of Trento, Italy <i>Associate Professor of General Microbiology</i> Centre for Integrative Biology (CIBIO), University of Trento, Italy <i>Visiting Professor</i> Faculty of Sciences, University of Trento, Italy <i>Contract Professor</i> Department of Animal Pathology, University of Pisa, Italy. Programme "Rientro dei Cervelli" from the Italian Ministry of Instruction, University and Research (MIUR) <i>Research Associate</i> Dermatology Service, University Hospital Lausanne (CHUV), Switzerland. Swiss National Science Foundation project
<b>Institutional Duties</b>	2021-present 2013-present  2008-2021 2008-2020  2012-2018	<i>Director</i> Centre for Medical Sciences (CISMed), University of Trento, Italy <i>Vice-director</i> Advanced Molecular Diagnostics (DMA) Laboratory, CIBIO, University of Trento <i>Director of teaching</i> CIBIO, University of Trento <i>Coordinator</i> BSc in Biomolecular Sciences and Technology University of Trento <i>Coordinator</i> MSc in Cellular and Molecular Biotechnology University of Trento

	2016-2021	<i>Member of Executive Committee</i> CIBIO, University of Trento		
	2010-present	<i>Member of PhD Committee</i> Programme in Biomolecular Sciences, University of Trento		
<b>Teaching</b>	2009-present	<i>General Microbiology</i> BSc in Biomolecular Sciences and Technology, University of Trento		
	2022-present	<i>Mycology</i> MSc in Medicine and Surgery, University of Trento		
	2018-2021	<i>Bacterial Pathogenesis</i> MSc in Cellular and Molecular Biotechnology, University of Trento		
	2017-2018	<i>Biotechnology for Health</i> MSc in Innovation Management, University of Trento		
	2012-2016	<i>Microbial Biotechnology</i> BSc in Biomolecular Sciences and Technology, University of Trento		
	2011-2012	<i>Biology of Organisms</i> BSc in Biomolecular Sciences and Technology, University of Trento		
	2006	<i>Veterinary Chemotherapy</i> BSc in Veterinary Medicine, University of Pisa		
	2004-2006	<i>Zoology Laboratory</i> BSc in Science and Technology of Animal Production and BSc in Veterinary Medicine, University of Pisa		
	2005-2006	<i>Biotechnology Applications in Veterinary Medicine</i> PhD programme in Veterinary Medicine, University of Pisa		
	1997-2001	<i>Animal Systematics Laboratory</i> BSc in Biology, University of Geneva, Switzerland		
<b>Tutoring</b>	2010-2020	<i>Tutor</i> of students enrolled in the PhD programme in Biomolecular Sciences, University of Trento: 4 students		
	2011-present	<i>Supervisor</i> of graduation students of the BSc in Biomolecular Sciences and Technology and the MSc in Cellular and Molecular Biotechnology, University of Trento: 38 students		
	2012, 2013, 2015	<i>Co-supervisor</i> of UniTN team, International Genetically Engineered Machine Competition (iGEM)		
<b>Participation to Academic Evaluation Committees</b>	2018-present	<i>Member</i> , national committee of <i>Abilitazione Scientifica Nazionale</i> , sector 05/I2 (Microbiology)		
	2019	<i>Member</i> , selection committee for assistant professor position, University of Venezia, Italy		
	2015, 2017	<i>Member</i> , selection committee for technical-administrative staff, University of Trento		
	2008-present	<i>President</i> , selection committees for the assignment of post-doctoral fellowships, University of Trento		
	2012-present	<i>President</i> , selection committees for the admission at the MSc in Cellular and Molecular Biotechnology, University of Trento		
	2013, 2017	<i>Member</i> , selection committees for the admission at the PhD Programme in Biomolecular Sciences, University of Trento		
	2009	<i>Member</i> , selection committee for the admission at the PhD Programme in Biological Sciences, University of Pisa		
<b>Financial Support</b>	<b>Role/year</b>	<b>Title</b>	<b>Funding Agency</b>	<b>k€</b>
	Principal investigator 2019-2020	Assessing Inhibitory Effect of Self-DNA in ESKAPE pathogens	AND BioPharma AV	50

Principal investigator 2020-2021	Molecular mechanisms of acquisition of colistin resistance in <i>Pseudomonas aeruginosa</i> : an in vitro evolution approach	Associazione Trentina Fibrosi Cistica Onlus	20
Principal investigator 2018-2019	TIESPA - Testing Inhibitory Effect of Self-DNA treatment in Pathogens associated with Cystic Fibrosis	AND BioPharma AV	25
Principal investigator 2018-2019	Microbial enzymes for hair removal: an integrated biotechnological approach for application in the leather tanning industry	Biodermol Ambiente srl.	115
Principal investigator 2017-2019	Deciphering the microbial communities of alpine groundwater and their implications on water properties	Autonomous Province of Trento	170
Principal investigator 2018	An epidemiological "One Health" study on the distribution and transmission of <i>Pseudomonas aeruginosa</i> : implications for cystic fibrosis patients	Associazione Trentina Fibrosi Cistica Onlus	15
Principal investigator 2016-2018	High-resolution characterization of the water microbiome of a thermal spa	Fondazione Cassa di Risparmio di Trento e Rovereto (CARITRO)	75
Principal investigator 2017	Acquisition of antibiotic resistance in <i>Pseudomonas aeruginosa</i> during persistence in the lungs of cystic fibrosis patients	Associazione Trentina Fibrosi Cistica Onlus	15
Principal investigator 2016-2017	The role of microbial communities in the therapeutic properties of alpine groundwater	Azienda Consorziale Terme di Comano / Istituto G.B. Mattei	140
Principal investigator 2016	Microevolution of <i>Pseudomonas aeruginosa</i> in cystic fibrosis patients	Associazione Trentina Fibrosi Cistica Onlus	16
Principal investigator 2015-2016	Development of molecular methods for microbiological quality control in production plants of pharmaceuticals and food integrators	Fondazione Cassa di Risparmio di Trento e Rovereto (CARITRO)	50
Partner 2013-2015	Genes and molecules of immunity in invertebrates	Italian Ministry of Instruction, University and Research (MIUR), Progetti di ricerca di Rilevante Interesse Nazionale (PRIN)	50
Partner 2010-2014	Processing Raw materials into Excellent and Sustainable End products while Remaining Fresh (PRESERF)	European Commission - Seventh Framework Programme (FP7), theme KBBE-2009-2-2-03	58

	Partner 2009-2011	Alpine ecosystems in a changing environment: biodiversity sensitivity and adaptive potential	Autonomous Province of Trento	42
	Principal investigator 2009	Development of a DNA microarray for genotyping of human pathogenic bacteria	Molecular Stamping s.r.l.	50
	Principal investigator 2008	Development of a DNA microarray for genotyping of nosocomial pathogens and their epidemiological potential	Autonomous Province of Trento	45
	Principal investigator 2007-2010	Genome plasticity in <i>Pseudomonas aeruginosa</i> : from comparative genomics to virulence	Autonomous Province of Trento	105
	Principal investigator 2004-2007	Molecular approaches to the study of fish parasites: diagnostics, population biology and virulence determinants	Italian Ministry of Instruction, University and Research (MIUR), "Rientro dei Cervelli" grant n°213	190
	Researcher 2001-2003	Genomic approach of the keratinolytic activity of Dermatophytes	Swiss National Science Foundation	140
	Recipient 1997-2001	PhD grant	Rector's Conference of Swiss Universities	10
<b>Editorial Board Member</b>	<i>Associate Editor</i> , Frontiers in Microbiology, Frontiers Media SA, ISSN: 1664-302X <i>Associate Editor</i> , Scientifica, Hindawi Publishing Corporation, ISSN: 2090-908X <i>Associate Editor</i> , International Journal of Clinical and Medical Microbiology, Graphy Publications, ISSN: 2456-4028			
<b>Peer Reviewer</b>	<i>International journals including:</i> Frontiers in Microbiology, BMC Genomics, PLoS ONE, BMC Microbiology, Journal of Bacteriology, Microbiology, International Journal for Medical Microbiology, Veterinary Microbiology, Journal of Eukaryotic Microbiology <i>Research project proposals:</i> Sir Henry Wellcome Postdoctoral Fellowship programme, Wellcome Trust, UK PRIN programme of the Italian Ministry of Education and Research			
<b>Scientific Society Membership</b>	Society for General Microbiology Swiss Society for Microbiology Italian Society for General Microbiology and Microbial Biotechnology			
<b>Research Interests</b>	Human pathogenic bacteria and fungi: studies on population biology/epidemiology, virulence, molecular detection/characterization, by using a combination of genomic, metagenomics, molecular, biochemical and computational approaches.			
<b>Publication Summary</b>	As of December 2022 from Scopus: Number of publications: 77 H-index: 35 Citations: 4950			
<b>Publications</b>	<ol style="list-style-type: none"> <li>1. Pedron R, Esposito A, Cozza W, Paolazzi M, Cristofolini M, Segata N, <b>Jousson O</b>. 2022. Microbiome characterization of alpine water springs for human consumption reveals site- and usage-specific microbial signatures. <i>Front Microbiol</i> 13:946460.</li> <li>2. Pedron R, Luchi E, Acin Albiac M, Di Cagno R, Catorci D, Esposito A, Bianconi I, Losa D, Cristofolini M, Guella G, <b>Jousson O</b>. 2021. <i>Mesorhizobium comanense</i> sp. nov., isolated from groundwater. <i>Int J Syst Evol Microbiol</i> 71(12).</li> <li>3. Esposito A, Tamburini S, Triboli L, Ambrosino L, Chiusano ML, <b>Jousson O</b>. 2019. Insights into the genome structure of acetogenic bacteria with specific reference to the Wood-Ljungdahl pathway. <i>MicrobiologyOpen</i> 8: e938.</li> <li>4. Pedron R, Esposito A, Pasolli E, Tett A, Asnicar F, Bianconi I, Cristofolini M, Segata N, <b>Jousson O</b>. 2019. Genomic and metagenomic insights into the microbial community of a thermal spring. <i>Microbiome</i> 7: 8.</li> </ol>			

5. Bianconi I, D'Arcangelo S, Esposito A, Benedet M, Piffer E, Dinnella G, Gualdi P, Schinella M, Baldo E, Donati C, **Jousson O**. 2019. Persistence and microevolution of *Pseudomonas aeruginosa* in the cystic fibrosis lung: a single-patient longitudinal genomic study. *Front Microbiol* 9: 3242.
6. Raneri M, Pinatel E, Peano C, Rampioni G, Leoni L, Bianconi I, **Jousson O**, Dalmasio C, Ferrante P, Briani F. 2018. *Pseudomonas aeruginosa* mutants defective in glucose uptake have pleiotropic phenotype and altered virulence in non-mammal infection models. *Sci Rep* 8: 16912.
7. Pacchioni F, Esposito A, Giacobazzi E, Bettua C, Struffi P, **Jousson O**. 2018. Air and waterborne microbiome of a pharmaceutical plant provide insights on spatial variations and community resilience after disturbance. *BMC Microbiol* 18:124.
8. Strati F, Calabrò A, Donati C, De Felice C, Hayek J, **Jousson O**, Leoncini S, Renzi D, Rizzetto L, De Filippo C, Cavalieri D. 2018. Intestinal *Candida parapsilosis* isolates from Rett syndrome subjects bear potential virulent traits and capacity to persist within the host. *BMC Gastroenterol* 18(1): 57.
9. Tortoli E, Fedrizzi T, Meehan CJ, Trovato A, Grottola A, Giacobazzi E, Fregni Serpini G, Tagliazucchi S, Fabio A, Bettua C, Bertorelli R, Frascaro F, De Sanctis V, Pecorari M, **Jousson O**, Segata N, Cirillo DM. 2017. The new phylogeny of the genus *Mycobacterium*: the old and the news. *Infect Genet Evol* 56: 19-25.
10. Esposito A, Pompilio A, Giacobazzi E, Bettua C, Crocetta V, Fiscarelli E, **Jousson O**, Di Bonaventura G. 2017. Evolution of *Stenotrophomonas maltophilia* in cystic fibrosis lung over chronic infection: a genomic and phenotypic population study. *Front Microbiol* 8: 1590.
11. Tett A, Pasolli E, Farina S, Truong T, Asnicar F, Zolfo M, Beghini F, Armanini F, **Jousson O**, De Sanctis V, Bertorelli R, Girolomoni G, Cristofolini M, Segata N. 2017. Unexplored diversity and strain-level structure of the skin microbiome associated with psoriasis. *NPJ Biofilms Microbiomes* 3: 14.
12. Salamin K, Eugster PJ, **Jousson O**, Waridel P, Grouzmann E, Monod M. 2017. AoS28D, a proline-Xaa carboxypeptidase secreted by *Aspergillus oryzae*. *Appl Microbiol Biotechnol* 101: 4129-4137.
13. Fedrizzi T, Meehan C, Grottola A, Giacobazzi E, Fregni Serpini G, Tagliazucchi S, Fabio A, Bettua C, Bertorelli R, De Sanctis V, Rumpianesi F, Pecorari M, **Jousson O**, Tortoli E, Segata N. 2017. Genomic characterization of Nontuberculous Mycobacteria. *Sci Rep* 7: 45258.
14. Lentini R, Yeh Martin N, Forlin M, Belmonte L, Fontana J, Cornella M, Martini L, Tamburini S, Bentley WE, **Jousson O**, Mansy SS. 2017. Two-way chemical communication between artificial and natural cells. *ACS Cent Sci* 3: 117-123.
15. Strati F, Cavalieri D, Albanese D, De Felice C, Donati C, Hayek J, **Jousson O**, Leoncini S, Renzi D, Calabrò A, De Filippo C. 2017. New evidences on the altered gut microbiota in autism spectrum disorders. *Microbiome* 5: 24.
16. Hong TP, Carter MQ, Struffi P, Casonato S, Hao Y, Lam JS, Lory S, **Jousson O**. 2017. Conjugative type IVb pilus recognizes lipopolysaccharide of recipient cells to initiate PAPI-1 pathogenicity island transfer in *Pseudomonas aeruginosa*. *BMC Microbiol* 17: 31.
17. Zolfo M, Tett A, **Jousson O**, Donati C, Segata N. 2017. MetaMLST: multi-locus strain-level bacterial typing from metagenomic samples. *Nucleic Acids Res* 45 (2): e7.
18. Bianconi I, D'Arcangelo S, Benedet M, Bailey KE, Esposito A, Piffer E, Mariotto A, Baldo E, Dinnella G, Gualdi P, Schinella M, Donati C, **Jousson O**. 2016. Draft genome sequences of 40 *Pseudomonas aeruginosa* clinical strains isolated from the sputum of a single Cystic Fibrosis patient over an eight-year period. *GenomeA* 4 (6): e01205-16.
19. Strati F, Cavalieri D, Albanese D, De Felice C, Donati C, Hayek J, **Jousson O**, Leoncini S, Pindo M, Renzi D, Rizzetto L, Stefanini I, Calabrò A, De Filippo C. 2016. Altered gut microbiota in Rett syndrome. *Microbiome* 4: 41.
20. Strati F, Di Paola M, Stefanini I, Albanese D, Rizzetto L, Lionetti P, Calabrò A, **Jousson O**, Donati C, Cavalieri D, De Filippo C. 2016. Age and gender affect the composition of fungal population of the human gastrointestinal tract. *Front Microbiol* 7: 1227.
21. Donati C, Zolfo M, Albanese D, Truong DT, Asnicar F, Iebba V, Cavalieri D, **Jousson O**, De Filippo C, Huttenhower C, Segata N. 2016. Uncovering oral *Neisseria* tropism and persistence using metagenomic sequencing. *Nat Microbiol* 1: 16070.
22. Scaccabarozzi L, Leoni L, Ballarini A, Barberio A, Locatelli C, Casula A, Bronzo V, Pisoni G, **Jousson O**, Morandi S, Rapetti L, García-Fernández A, Moroni P. 2015. *Pseudomonas aeruginosa* in dairy goats: genotypic and phenotypic comparison of intramammary and environmental isolates. *PLoS One* 10: e0142973.
23. Bernabò P, Lunelli L, Quattrone A, **Jousson O**, Lencioni V, Viero G. 2015. Studying translational control in non-model stressed organisms by polysomal profiling. *J Insect Physiol* 76: 30-35.
24. Lencioni V, **Jousson O**, Guella G, Bernabò P. 2015. Cold adaptive potential of chironomids overwintering in a glacial stream. *Physiol Entomol* 40: 43-53.
25. Fusco da Costa AR, Fedrizzi T, Lopes ML, Pecorari M, Oliveira da Costa WL, Giacobazzi E, da Costa Bahia JR, De Sanctis V, Batista Lima KV, Bertorelli R, Grottola A, Fabio A, Ferretti P, Di Leva F, Fregni Serpini G, Tagliazucchi S, Rumpianesi F, **Jousson O**, Segata N, Tortoli E. 2015. Characterization of 17 strains belonging to the *Mycobacterium simiae* complex and description of *Mycobacterium paraense* sp. nov. *Int J Syst Evol Microbiol* 65: 656-662.

26. Lion M, Raimondi I, Donati S, **Jousson O**, Ciribilli Y, Inga A. 2015. Evolution of p53 transactivation specificity through the lens of a yeast-based functional assay. *PLoS One* 10: e0116177.
27. Ferrentino G, Tamburini S, Bath K, Foladori P, Spilimbergo S, **Jousson O**. 2015. Application of culture-independent methods for monitoring *Listeria monocytogenes* inactivation on food products. *Process Biochem* 50: 188-193.
28. Digiacomio F, Girelli G, Aor B, Marchioretto C, Pedrotti M, Perli T, Tonon E, Valentini V, Avi D, Ferrentino G, Dorigato A, **Jousson O**, Mansy SS, Del Bianco C. 2014. Ethylene-producing bacteria that ripen fruit. *ACS Synth Biol* 3: 935-938.
29. Dassi E, Ballarini A, Covello G, HTM-CMB2013, Quattrone A, **Jousson O**, De Sanctis V, Bertorelli R, Denti M, Segata N. 2014. Enhanced microbial diversity in the saliva microbiome induced by short-term probiotic intake revealed by 16S rRNA sequencing on the IonTorrent PGM platform. *J Biotechnol* 190: 30-39.
30. Fantappiè L, de Santis M, Chiarot E, Carboni F, Bensi G, **Jousson O**, Margarit I, Grandi G. 2014. Antibody-mediated immunity induced by engineered *Escherichia coli* Outer Membrane Vesicles (OMVs) carrying heterologous antigens in their lumen. *J Extracell Vesicles* 3: 24015.
31. Tamburini S, Foladori P, Ferrentino G, Spilimbergo S, **Jousson O**. 2014. Accurate flow cytometric monitoring of *Escherichia coli* subpopulations on solid food treated with high pressure carbon dioxide. *J Appl Microbiol* 117: 440-450.
32. Tamburini S, Anesi A, Ferrentino G, Spilimbergo S, Guella G, **Jousson O**. 2014. Supercritical CO<sub>2</sub> induces marked changes in membrane phospholipids composition in *Escherichia coli* K12. *J Membr Biol* 247: 469-477.
33. Segata N, Ballarini A, **Jousson O**. 2013. Genome sequence of *Pseudomonas aeruginosa* PA45, a highly virulent strain isolated from a patient with bloodstream infection. *GenomeA* 1: e00289-13.
34. Tamburini S, Ballarini A, Ferrentino G, Moro A, Foladori P, Spilimbergo S, **Jousson O**. 2013. Comparison of quantitative PCR and flow cytometry as cellular viability methods to study bacterial membrane permeabilization following supercritical CO<sub>2</sub> treatment. *Microbiology* 159:1056-1066.
35. Symoens F, **Jousson O**, Packeu A, Fratti M, Staib P, Mignon B, Monod M. 2013. The dermatophyte species *Arthroderma benhamiae*: intraspecies variability and mating behaviour. *J Med Microbiol* 62: 377-385.
36. Ballarini A, Segata N, Huttenhower C, **Jousson O**. 2013. Simultaneous quantification of multiple bacteria by the BactoChip microarray designed to target species-specific marker genes. *PLoS One* 8: e55764.
37. Ballarini A, Scalet G, Kos M, Cramer N, Wiehlmann L, **Jousson O**. 2012. Molecular typing and epidemiological investigation of clinical populations of *Pseudomonas aeruginosa* using an oligonucleotide-microarray. *BMC Microbiol* 12: 152.
38. Segata N, Waldron L, Ballarini A, Narasimhan V, **Jousson O**, Huttenhower C. 2012. Metagenomic microbial community profiling using unique clade-specific marker genes. *Nat Methods* 9: 811-814.
39. Janjua HA, Segata N, Bernabò P, Tamburini S, Ellen A, **Jousson O**. 2012. Clinical populations of *Pseudomonas aeruginosa* isolated from acute infections show a high virulence range partially correlated with population structure and virulence gene expression. *Microbiology* 158: 2089-2098.
40. Bernabò P, Latella L, **Jousson O**, Lencioni V. 2011. Cold stenothermal cave-dwelling beetles do have an HSP70 heat shock response. *J Therm Biol* 36: 206-208.
41. Sriranganadane D, Reichard U, Salamin K, Fratti M, Neuhaus JM, **Jousson O**, Waridel P, Quadroni M, Monod M. 2011. Secreted glutamic protease rescues aspartic protease Pep deficiency in *Aspergillus fumigatus* during growth in acidic protein medium. *Microbiology* 157: 1541-1550.
42. Bernabò P, Rebecchi L, **Jousson O**, Martínez-Guitarte JL, Lencioni V. 2011. Thermotolerance and hsp70 heat shock response in the cold-stenothermal chironomid *Pseudodiamesa branickii* (NE Italy). *Cell Stress Chaperones* 16: 403-410.
43. Fumanelli L, Iannelli M, Janjua HA, **Jousson O**. 2011. Mathematical modeling of bacterial virulence and host-pathogen interactions in the *Dictyostelium/Pseudomonas* system. *J Theor Biol* 270: 19-24.
44. Symoens F, **Jousson O**, Planard C, Fratti M, Staib P, Mignon B, Monod M. 2011. Molecular analysis and mating behaviour of the *Trichophyton mentagrophytes* species complex. *Int J Med Microbiol* 301: 260-266.
45. Salamin K, Sriranganadane D, Léchenne B, **Jousson O**, Monod M. 2010. Secretion of an endogenous subtilisin by *Pichia pastoris* strains GS115 and KM71. *Appl Environ Microb* 76: 4269-4276.
46. Reichard U, **Jousson O**, Monod M. 2008. Secreted proteases from the mold *Aspergillus fumigatus*. *Mycoses* 51 S3: 30-32.
47. Zaugg C, **Jousson O**, Léchenne B, Staib P, Monod M. 2008. *Trichophyton rubrum* secreted and membrane-associated carboxypeptidases. *Int J Med Microbiol* 298: 669-682.
48. Intorre L, Vanni M, Di Bello D, Pretti C, Meucci V, Tognetti R, Soldani G, Cardini G, **Jousson O**. 2007. Antimicrobial susceptibility and mechanism of resistance to fluoroquinolones in *Staphylococcus intermedius* and *Staphylococcus schleiferi*. *J Vet Pharmacol Ther* 30: 464-469.

49. **Jousson O**, Di Bello D, Vanni M, Cardini G, Soldani G, Pretti C, Intorre L. 2007. Genotypic versus phenotypic identification of staphylococcal species of canine origin with special reference to *Staphylococcus schleiferi* subsp. *coagulans*. *Vet Microbiol* 123: 238-244.
50. **Jousson O**, Di Bello D, Donadio E, Felicoli A, Pretti C. 2007. Differential expression of cysteine proteases in developmental stages of the parasitic ciliate *Ichthyophthirius multifiliis*. *FEMS Microbiol Lett* 269: 77-84.
51. Reichard U, Léchenne B, Asif AR, Streit F, Grouzmann E, **Jousson O**, Monod M. 2006. Sedolisins, a new class of secreted proteases from *Aspergillus fumigatus* with endoprotease or tripeptidyl-peptidase activity at acidic pHs. *Appl Environ Microb* 72: 1739-1748.
52. **Jousson O**, Pretti C, Di Bello D, Cognetti-Varriale AM. 2005. Non-invasive detection and quantification of the parasitic ciliate *Ichthyophthirius multifiliis* by real-time PCR. *Dis Aquat Organ* 65: 251-255.
53. Ninet B, Jan I, Bontems O, Léchenne B, **Jousson O**, Lew D, Schrenzel J, Panizzon R, Monod M. 2005. Molecular identification of *Fusarium* species in onychomycoses. *Dermatology* 210: 21-25.
54. **Jousson O**. 2005. Molecular identification of life-cycles and cryptic diversity among the Digenea (Platyhelminthes, Trematoda). *Bull Soc Zool Fr* 130: 147-159.
55. Monod M, Léchenne B, **Jousson O**, Grand D, Zaugg C, Stöcklin R, Grouzmann E. 2005. Aminopeptidases and dipeptidyl-peptidases secreted by the dermatophyte *Trichophyton rubrum*. *Microbiology* 151: 145-155.
56. **Jousson O**, Léchenne B, Bontems O, Mignon B, Reichard U, Barblan J, Quadroni M, Monod M. 2004. Secreted subtilisin gene family in *Trichophyton rubrum*. *Gene* 339: 79-88.
57. **Jousson O**, Léchenne B, Bontems O, Capoccia S, Mignon B, Barblan J, Quadroni M, Monod M. 2004. Multiplication of an ancestral gene encoding secreted fungalsin preceded species differentiation in the dermatophytes *Trichophyton* and *Microsporium*. *Microbiology* 150: 301-310.
58. Fumeaux J, Mock M, Ninet B, Jan I, Bontems O, Léchenne B, Lew D, Panizzon R, **Jousson O**, Monod M. 2004. First report of *Arthroderma benhamiae* in Switzerland. *Dermatology* 208: 244-250.
59. Ninet B, Jan I, Bontems O, Léchenne B, **Jousson O**, Panizzon R, Lew D, Monod M. 2003. Identification of dermatophyte species by 28S ribosomal DNA sequencing with a commercial kit. *J Clin Microbiol* 41: 826-830.
60. Monod M, Capoccia S, Léchenne B, Zaugg C, Holdom M, **Jousson O**. 2002. Secreted proteases from pathogenic fungi. *Int J Med Microbiol* 292: 405-419.
61. **Jousson O**, Bartoli P. 2002. Species diversity among the genus *Monorchis* (Digenea: Monorchidae) parasitic in marine teleosts: molecular, morphological and morphometrical studies with a description of *Monorchis blennii* n. sp. *Parasitol Res* 88: 230-241.
62. Desdevises Y, Morand S, **Jousson O**, Legendre P. 2002. Coevolution between *Lamellodiscus* (Monogenea: Diplectanidae) and Sparidae (Teleostei): the study of a complex host-parasite system. *Evolution* 56: 2459-2471.
63. Famà P, **Jousson O**, Zaninetti L, Meinesz A, Dini F, Di Giuseppe G, Millar A, Pawlowski J. 2002. Genetic polymorphism in *Caulerpa taxifolia* (Ulvophyceae) chloroplast DNA revealed by a PCR-based assay of the invasive Mediterranean strain. *J Evolution Biol* 15: 618-624.
64. Guipponi M, Tapparel C, **Jousson O**, Scamuffa N, Mas C, Rossier C, Hutter P, Meda P, Lyle R, Reymond A, Antonarakis SE. 2001. The murine orthologue of the Golgi-localized TPTE protein provides clues to the evolutionary history of the human TPTE gene family. *Hum Genet* 109: 569-575.
65. **Jousson O**, Bartoli P. 2001. Molecules, morphology and morphometrics of *Cainocreadium labracis* and *Cainocreadium dentecis* n. sp. (Digenea: Opecoelidae) parasitic in marine fishes. *Int J Parasitol* 31: 706-714.
66. Picard D, **Jousson O**. 2001. Genetic variability among cercariae of the Schistosomatidae (Trematoda: Digenea) causing swimmer's itch in Europe. *Parasite* 8: 237-242.
67. **Jousson O**, Pawlowski J, Zaninetti L, Zechman FW, Dini F, Di Giuseppe G, Woodfield R, Millar A, Meinesz A. 2000. Invasive alga reaches California. *Nature* 408: 157-158.
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