

Julie Bourbeillon

Born: 01/05/1978

e-mail: julie.bourbeillon@nocternity.netweb <http://www.jbourbeillon.info>**Curriculum Vitae****RESEARCH EXPERIENCES**

- 2009-... **Computer Sciences Assistant Professor** – Agrocampus Ouest, Angers Centre
Topic : Exploitation of large datasets
- 2008-2009 **ATER** – Bordeaux Bioinformatics Centre
Topic: Ontologies and Web Services for ProteomeBinders
- 2007-2008 **Post-doc** – INRIA Bordeaux – Sud-Ouest, MAGNOME Team
Topic : Ontologies and Web Services for ProteomeBinders
Supervisor : David Sherman
- 2004 - 2007 **PhD** – RFMQ Team, TIMC-IMAG laboratory, MRIM Team, LIG laboratory
Topic : Towards task-oriented information synthesis - Application to Tissue MicroArrays design and evaluation
Supervisor : Catherine Garbay (LIG) and Françoise Giroud (TIMC-IMAG)
- 2003-2004 **Master 2** – RFMQ and SIC Teams, TIMC-IMAG laboratory
Topic: An hybrid system to assist with Tissue MicroArrays design
Supervisor: Catherine Garbay (SIC) and Françoise Giroud (RFMQ)

EXPERIENCES D'ENSEIGNEMENT

- 2009-... **Computer Sciences Assistant Professor** – Agrocampus Ouest, Angers Centre
192h Information Technology, office tools, programming, databases
- 2008-2009 **ATER** – Victor Segalen University, Bordeaux, Life Sciences Department
192h C2i, introduction to biomedical ontologies, industrial bioinformatics, basic statistics, advanced statistics, mathematics for biologists
- 2005-2007 **Supply teacher** – Joseph Fourier University, Grenoble, Computer Sciences and Applied Mathematics Department
120 h : introduction to IT
- 2006-2007 **Training period supervisor**
2006: One IT Master degree student
2007: One bachelor degree student, two master degree students

EXPERIENCES PROFESSIONNELLES

- Mai-Août 2002 LOGICA – **Technical support engineer**
Maintenance on an international logistics software for a client company
- 2000-2002 IBM Global Services, Finance Department – **Training IT engineer**
Evaluation / test of an accounting management system (5 months) - Project management (6 months) - Development of an interface to manage users' maintenance requests (4 months)

FORMATION

- 2004-2007 **PhD Sciences and Engineering for Healthcare and Medicine** – Joseph Fourier University, Grenoble
- 2003-2004 **Master Sciences and Engineering for Healthcare and Medicine** – Joseph Fourier University, Grenoble
- 1998-2002 **Master INA P-G Engineer**, Specialty: IT – Institut national Agronomique Paris-Grignon, Paris
- 1996-1998 Preparatory school - Lycée Claude Fauriel, Saint-Etienne
- 1996 Baccalauréat S, Lycée Albert Camus, Firminy

COMPUTER SCIENCES CAPABILITIES

- Theoretical Knowledge* Information Retrieval, Information Visualization, Semantic Web, Knowledge modeling, management and exploitation
- Bioinformatics* Biological processes modeling, large biomedical data sets exploitation, reference databases use, contribution to the development of the IntAct molecular interactions database (<http://www.ebi.ac.uk/intact/>)
- Langagues* C, C++, JAVA, PHP, SQL, HTML, XML, scripts shell (KSH, BASH), RDF, OWL, SPARQL, SWRL
- Databases* Oracle, MySQL, PostgreSQL, Access

Environnements Windows 2000, XP, Solaris, HP-UX, GNU/Linux
Personal activities GNU/Linux system and network administration
Founding member of the DHASIL non profit organisation
Design and administration of an online game (<http://www.legacywolds.com>)

LANGUAGES

English: fluent
German: basic

PUBLICATIONS

International Journals

- Gloriam DE, Orchard S, Bertinetti D, Björling E, Bongcam-Rudloff E, Borrebaeck CA, **Bourbeillon J**, Bradbury AR, de Daruvar A, Dübel S, Frank R, Gibson TJ, Gold L, Haslam N, Herberg FW, Hiltke T, Hoheisel JD, Kerrien S, Koegl M, Konthur Z, Korn B, Landegren U, Montecchi-Palazzi L, Palcy S, Rodriguez H, Schweinsberg S, Sievert V, Stoevesandt O, Taussig MJ, Ueffing M, Uhlén M, van der Maarel S, Wingren C, Woollard P, Sherman DJ, Hermjakob H., A community standard format for the representation of protein affinity reagents. *Molecular & cellular proteomics*, American Society for Biochemistry and Molecular Biology, 9(1):1-10, 2010.
- **Bourbeillon J.**, Garbay C, Giroud F., Mass data exploration in oncology: an information synthesis approach. *Journal of Biomedical Informatics*, Elsevier, 42(4):612-623, 2009.

National Journals

- **Bourbeillon J.**, Garbay C., Giroud F., Une perspective analytique pour la recherche d'information. Application : conception et évaluation de Tissue Microarrays. *Revue ISI - Ingénierie des Systèmes d'Information, Numéro spécial Systèmes d'Information Spécialisés*, Hermès Sciences, 11(5):109-135, 2006.

International Conference Proceedings

- **Bourbeillon J.**, Garbay C., Simony-Lafontaine J., Giroud F., Multimedia Data Management To Assist Tissue MicroArrays Design. To Appear in: Silvia Miksch, Jim Hunter, Elpida Keravnou (Eds.): *Artificial Intelligence in Medicine. Proceedings of the 10th Conference on Artificial Intelligence in Medicine, AIME'05*. Aberdeen, Scotland, 23 - 27 July 2005.
- Giroud F., Simony-Lafontaine J., Montmasson M.-P., Heus R., **Bourbeillon J.**, Garbay C., The TMAs-Explorer Platform: an integrated tool including a virtual TMA concept. In: *Abstract Book of the 7th European Congress on Virtual Microscopy and 1st International Congress on Virtual Microscopy*. Poznan, Poland, July 8 - 11 2004.

National Conference Proceedings

- **Bourbeillon J.**, Garbay C., Giroud F., Génération de documents multimédia adaptatifs dans une perspective analytique. In: *Actes de la conférence INFORSID'05*. Grenoble, France, 24 - 27 mai 2005.
- **Bourbeillon J.**, Garbay C., Giroud F., Gestion de connaissances et de données dans l'aide à la conception de Tissue Microarrays. *RNTI E5 - Extraction des connaissances : Etat et perspectives*. Rédacteurs invités : Florence Cloppet, J-Marc Petit, Nicole Vincent. Paris, France, 18 janvier 2005.

Oral Presentations

- **Bourbeillon J.**, Knowledge bases : representation and use - RDFS, RDF, SPARQL and beyond..., *LaBRI, GT MaBioVis*, Talence, 26 juin 2008.
- **Bourbeillon J.**, ProteomeBinders - Vers une infrastructure européenne de ressources pour les agents de liaison dirigés contre le protéome humain. *LaBRI, GT MaBioVis*, Talence, 27 mars 2008.
- Sherman D., **Bourbeillon J.**, Palcy S., Towards a Europe-wide infrastructure. *ProteomeBinders Bioinformatics workshop*, Hinxton, UK, 10-11 janvier 2008.
- **Bourbeillon J.**, Vers une synthèse d'information orientée tâche – application à la conception et l'évaluation de Tissue MicroArrays. *LaBRI, GT MaBioVis*, Talence, 15 novembre 2007.
- **Bourbeillon J.**, Garbay C., Giroud F., Gestion de connaissances et de données dans l'aide à la conception de Tissue Microarrays (TMA), *GDR13, GT Documents multimédia*, Grenoble, 10 décembre 2004.

Theses

- **Bourbeillon J.**, Thèse de doctorat - Vers une synthèse d'information orientée tâche - application à la conception et l'évaluation de Tissue MicroArrays. Université Joseph Fourier (Grenoble 1), Grenoble. Octobre 2007.
- **Bourbeillon J.**, Rapport de Master 2 - Un système hybride d'aide à la conception de Tissue Microarrays (TMA). Université Joseph Fourier (Grenoble 1), Grenoble, France. septembre 2004.

Technical Reports

- Palcy S., **Bourbeillon J.**, Sherman D., de Daruvar A., NA5.1 Standards, Ontology and Database Schema for Ligand Binders Information. Projet Européen ProteomeBinders. 11 mars 2008.
- ProteomeBinders Consortium, NA5 Activity report for year 2, avril 2008.