

**Martial BRIAND**  
☎ 02-41-22-57-29  
martial.briand(\_at\_)inrae.fr  
44 years old, married, 4 children

IRHS-EmerSys/BiDefi  
42, rue Georges Morel  
49071 Beaucouzé cedex

## Bio-informatician.

### SKILLS

- **Bioinformatics** (NGS analyses)
  - Genomics** : assembly (illumina / pacbio / minion), annotation, genome comparison.
  - Metagenomics** : Amplicons, Shotgun.
  - Tools** : Galaxy (use, administration, integration of tools), Blast, Idba, Canu, Orthomcl, Eugene-PP, Prokka, Bowtie2, Mothur, Dada2, CLARK, Metabat, Geneious, Bionumerics, GATB tools...
  - Development of tools and pipelines** :
    - **Family-companion** : <http://family-companion.toulouse.inra.fr>
    - **SkIf** : <https://sourcesup.renater.fr/wiki/skif>
    - **Ki-S** : <https://sourcesup.renater.fr/wiki/ki-s>
    - **CIRM-CFBP galaxy** : <https://iris.angers.inra.fr/galaxypub-cfbp>
- **IT** Systems administration \*nix  
Programming (Bash, perl), web programming (HTML, CSS, PHP)  
Databases (SQL, Mysql, File Maker pro)
- **Multi-dimensional data analysis** PCA, PLS, R
- **Biochemical analysis techniques** Sample Preparation, Extractions, GC, HPLC, NIRS
- **Microbiology** Culture and preservation of bacterial strains
- **Implementation of a quality approach** INRA and ISO-9001 quality standards
- **English** Reading, written language

### PROFESSIONAL EXPERIENCES

- 2011 – 2020** *INRA (Institut National de la Recherche Agronomique) Angers*  
**Mission :** Bioinformatics support for genomics and metagenomics projects  
Development of data analysis methods based on K-mers
- 2006 - 2009** *INRA Angers*  
**Mission :** Quality manager of the French collection of plant pathogenic bacteria certified ISO-9001 in December 2008.
- 2002 - 2005** *INRA Lusignan*  
**Mission :** Head of the biochemical analysis laboratory (5 technicians)
- 2000 - 2001** *INRA Lusignan*  
**Mission :** In charge of near infrared analyses at the biochemical analysis laboratory
- 1999** Various interim assignments, Cholet
- 1999** *ITEIPMAI Chemillé*  
**Mission :** Extraction and dosage of active chemical compounds and essential oils in plants
- 1998** *INRA - IPV (Institut des Produits de la Vigne) Montpellier*  
**Mission :** Physico-chemical characterization of wine polysaccharides (application to the study of the fineness of Champagne wine bubbles) and surface properties of mineral oxides (filtration).

### CERTIFICATE

- 2011** Master II Complementary Skills in Computer Science, with highest honors. *Angers university.*
- 1999** Graduate Certificate in Agronomy. *Montpellier SupAgro.*
- 1998** Master's degree in chemical engineering, option biology applied to the food industry. *Nantes university.*
- 1993** Baccalaureate D, *Lycée du Pays de Retz, Pornic (44).*

### PERSONAL DETAILS

- Driver's license B
- Various readings, gardening, tennis, football, badminton, squash, ping-pong.