FREDERIC REINIER

Currently searching for an Data Scientist position

🖥 RESEARCH EXPERIENCE

2018
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today

Bioinformatic Scientist
HalioDX   📍 Marseille, France
- Single-Cell RNA-seq Analysis for Academic and Pharma Customers.
- Data anlysis on Genomic data for Gene expression Platform and correlation analysis with ImmunoHistoChemistry (Protein) analysis.

2016
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2018

Bioinformatician, Data scientist
Inserm, UMR_S-1065, C3M   📍 Nice, France
- Single-Cell RNA-Seq study on uveal melanoma: Identification of molecular pathways triggered by gene expression on heterogeneous cell types in tumors.
- Bioinformatics analysis for projects in the network of Cancéropôle PACA.
- Strong interaction with scientists. Definition of Data analysis pipeline according to their requirements and objectives, principally on cancer genomics.

2013
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2016

Visiting Scientist
University of Washington, Dept of Genome Sciences   📍 Seattle, USA
- Investigated as data scientist on mendelian genomics disease. Member of Center for mendelian Genomics, UWCMG.
- Developped pipeline analysis for large indels on whole exome data.
- Detected POLD1 mutation in Progeria sample genome.

2006
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2012

Computer Scientist and Data Analyst
Center of Research and Development in Sardinia   📍 Pula, Italy
- Investigated as data scientist on "1000 Sardinian Genomes", for the identification of genomic variation on the specific sardinian population. In charge on Data analysis from sequencing machines.
- Developped pipeline analysis for whole genome and exome sequence data.
- Collaboration with international consortium.

🎓 EDUCATION

2005

Postgraduate Degree in Bioinformatics
University of Mediterranean Luminy   📍 Marseille, France

Thesis: Integration of genomic information to improve multiple sequence alignments.

2004

MSc in Computer Science
University of Mediterranean Luminy   📍 Marseille, France

📄 SELECTED PUBLICATIONS AND POSTERS

2017

Copy Number Changes Identified Using Whole Exome Sequencing in Nonsyndromic Cleft Lip and Palate in a Honduran Population
Birth Defects Res.   📍 Seattle, USA

Cai Y, Patterson KE, **Reinier F** et al.

RESEARCH SCIENTIST WITH STRONG EXPERIENCE IN NEXT GENERATION SEQUENCING DATA & STATISTICAL ANALYSIS ON CANCER GENOMICS

CONTACT INFO

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in in/frederic-reinier

📞 0615522175

For more information, please contact me via email.

SKILLS

Experienced in statistical analysis, statistical learning models, and optimization methods.

Full experience with next generation sequencing data analysis.

Programming: R, Perl, Python, UNIX, JavaScript and HTML

Documentation: LaTeX, Markdown

Literate Programming: Sweave, Knitr

Version control: git

Cluster computing

2015

Mandibular hypoplasia, deafness, progeroid features and lipodystrophy (MDPL) syndrome in the context of inherited lipodystrophies.
Metabolism. 2015 Nov;64.   ● Seattle, USA.

Reinier F, Zoledziewska M, Hanna D et al.

2006

PROTOGENE: turning amino acid alignments into bona fide CDS nucleotide alignments.
NAR 2006 July 1; 34 PMID: 16845080.   ● Marseille, FRANCE.

Moretti S, **Reinier F** et al.