

# GAYO DIALLO

## Mail :

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## Fonctions universitaires :

› Maître de Conférences

## Spécialité :

› Informatique



## Parcours Professionnel

### Titres et diplômes :

- › **2019**: Habilitation à Diriger des Recherches
- › **2009** : Maître de Conférences en Informatique
- › **2008-2009** : Chercheur Post-doc, LISI -ENSMA Futuruscope, Poitiers, Fr
- › **2007-2008** : Research Assistant, City University of London, UK,
- › **12/2006** : Doctorat en Informatique, Université de Grenoble 1 Joseph Fourier
- › **2004-2006** : ATER en Informatique, Université de Grenoble 2 Pierre Mendès France
- › **2001-2004** : Allocataire (Univ. Grenoble 1)-Moniteur de Recherche (Univ. Grenoble 2)
- › **Fev- Mai 2001** : Vacataire d'Enseignement, IUT 2 de Grenoble

## Activités pédagogiques

### Enseignements dispensés :

- › Master 2 systèmes d'Information et Technologies Informatiques pour la Santé (SITIS)
- › Responsable du module Inf2013, Recherche d'information, indexation et fouille de textes
- › Responsable du module Remise à niveau Programmation Orientée Objet et Bases de Données
- › IME202 Intégration et utilisation secondaire de données biomédicales
- › Master 1 Modélisation Statistique et Stochastique
- › Module Outils de Simulation, Statistique et Bases de Données. Responsable de la partie Bases de Données

## Activités de recherche

### Publications :

- › S. Bouasker, S. Ben Yahia, G. Diallo: An Insight into Biological Data Mining based on Rarity and Correlation as Constraints. SAC '19 Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing. Pages 3-10, 2019. doi:10.1145/3297280.3297281
- › BMJ. Some, G. Bordea, F. Thiessard, S. Schulz, G. Diallo: Design Considerations for a Knowledge Graph: the WATRIMed use case. Studies in Health Technology and Informatics. vol. 259:59 – 64. IOS Press. 2019. DOI:10.3233/978-1-61499-961-4-59
- › N. Kamel, G. Diallo, S. Ben Yahia. Special Issue on Computational Intelligence for Big Data. Int. J. Reasoning-based Intelligent Systems (IJRIS). Vol. 9, No. 1, 2017. Guest Editors.
- › F. Mougine, D. Auber, R. Bourqui, G. Diallo, I. Dutour, V. Jouhet, F. Thiessard, R. Thiébaud, P. Thébaud. Visualizing omics and clinical data: which challenges for dealing with their variety?. Methods. Volume 132, 1 January 2018, Pages 3-18. https://doi.org/10.1016/j.ymeth.2017.08.012
- › M. Kachroudi, G. Diallo, S. Ben Yahia. On the Composition of Large Biomedical Ontologies Alignment. ACM Proceedings of the 7th International Conference on Web Intelligence, Mining and Semantics (WIMS'17). pp:24:1-24:10. Doi:10.1145/3102254.3102284.
- › K. Dramé, F. Mougine G. Diallo. Large scale biomedical texts classification: a kNN and an ESA-based approaches. J. Biomedical Semantics. Vol:7(40), 2016. DOI Information: 10.1186/s13326-016-0073-1.
- › M. Sawadogo, M.S. Borlli, G. Diallo. Alignement Interactif d'Ontologies avec ServOMap. Technique et Science Informatiques . VOL 35/1 – 2016 – pp.55-74 – doi:10.3166/tsi.35.55-74.
- › R. Gini, M. Schuemie, J. Brown, P. Ryan, E. Vacchi, M. Coppola, W. Cazzola, P. Coloma, R. Berni, G. Diallo, J. L. Oliveira, P. Avillach, G. Trifirò, P. Rijnbeek, M. Bellentani, J. van Der Lei, N. Klazinga, M. Sturkenboom. Data Extraction And Management In Networks Of Observational Health Care Databases For Scientific Research: A Comparison Among EU-ADR, OMOP, Mini-Sentinel And MATRICE Strategies. eGEMs (Generating Evidence & Methods to improve patient outcomes) . Vol. 4 (2016):1. http://doi.org/10.13063/2327-9214.1189

- › A. Khiat, G. Diallo, Beyza Yaman, E. Jiménez-Ruiz, M. Benaissa. ABOM and ADOM: Arabic Datasets for the Ontology Alignment Evaluation Campaign. Proceedings of ODBASE'2015. Lecture Notes in Computer Science, vol 9415. pp 545-553. 2015
- › E. Mutafungwa, F. Thiessard, MP. Diallo, R. Gore, V. Jouhet, F. Mougine, S. Ben Yahia, C. Karray, N. Kheder, R. Saddem, J. Hämäläinen, G. Diallo. Mobile Data as Public Health Decision Enabler: A Case Study of Cardiac and Neurological Emergencies. Proceedings of the Orange D4D Challenge, in conjunction with the 4th International conference on the scientific analysis of mobile phone datasets (NetMob'2015), 7-10 April 2015, MIT Media Lab, Cambridge, MA, USA. [Winner of the Prize of the Practical Application]
- › G. Diallo. An effective method of large scale ontology matching. Journal of Biomedical Semantics, vol:5(44), 2014. DOI:10.1186/2041-1480-5-44
- › K. Dramé, G. Diallo, F. Delva, JF. Dartigues, E. Mouillet, R. Salamon, F. Mougine. Reuse of termino-ontological resources and text corpora for building a multilingual domain ontology: an application to Alzheimer's disease. J. Biomedical Informatics, vol. 48 (april 2014). DOI information:10.1016/j.jbi.2013.12.013
- › B. Kamsu-Foguem, G. Diallo, C. Foguem. Conceptual Graphs-based Knowledge Specification for Supporting Reasoning in African Traditional Medicine. Engineering Applications of Artificial Intelligence, Volume 26 Issue 4, April, 2013. Pages 1348-1365. DOI information: 10.1016/j.engappai.2012.12.004
- › P. Lopes, T. Nunes, D. Campos, LI. Furlong, A. Bauer-Mehren, F. Sanz, M.C. Carrascosa, J. Mestres, J. Kors, B. Singh, E. van Mulligen, J. Van der Lei, G. Diallo, P. Avillach, E. Ahlberg, S. Boyer, C. Diaz, J.L. Oliveira. Gathering and Exploring Scientific Knowledge in Pharmacovigilance. PloS one, vol. 8(12), 2013.
- › M. Ba, G. Diallo. Large scale biomedical ontology matching with ServOMap. IRBM, Volume 34, Issue 1, February 2013, Pages 56-59. DOI:10.1016/j.irbm.2012.12.011
- › P. Avillach, J-C. Dufour, G. Diallo, F. Salvo, M. Joubert, F. Thiessard, F. Mougine, G. Trifiro, A. Fourrier-Reglat, A. Pariente, M. Fieschi. Design and Validation of an Automated Method to Detect Known Adverse Drug Reactions in MEDLINE: a Contribution from the EU-ADR Project. J Am Med Inform Assoc.(JAMIA),20:446-452, 2013. doi:10.1136/amiajnl-2012-001083