

PROF. DR. MARTIN DUGAS

Date of birth: December 15, 1967
Gender: male

Address: University Hospital Münster (UKM) of the
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Current position: Professor for Medical Informatics (W3),
Institute of Medical Informatics Münster

CURRICULUM VITAE

University education

1987-1993 Medical School (Technical Univ. Munich, Germany)
1989-1996 Computer science, FernUniversität in Hagen

Scientific degrees

1994 Medical Thesis "Analysis of veratridine modification of myocardial sodium channel" Dept. of Pharmacology, Technical Univ. Munich, Germany
1996 Diploma in computer science, FernUniversität Hagen
2002 Habilitation in Medical Informatics, University of Munich, Germany

Professional experience

1995-2004 Research assistant at the Institute of Medical Informatics, Biometry and Epidemiology, University of Munich
Since 2005 Professor for Medical Informatics, University of Münster
2005-2010 Director of clinical systems, IT department, University Hospital of Münster
Since 2010 Director of Institute of Medical Informatics, University of Münster

Awards and honors

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| 2000 | Board certificate Medical Informatics |
| 2000 | IT consultant for Munich-Harvard-Alliance |
| 2003 | Board certificate Biometrics in Medicine |
| Since 2011 | Dual faculty membership at University of Münster (Faculty of Medicine and Faculty of Mathematics and Informatics) |

Max. 10 most important publications

1. **Dugas M**, Neuhaus P, Meidt A, Doods J, Storck M, Bruland P, Varghese J. Portal of medical data models: information infrastructure for medical research and healthcare. Database (Oxford). 2016 Feb 11;2016. pii: bav121. PMID: 26868052
2. **Dugas M**, Meidt A, Neuhaus P, Storck M, Varghese J. ODMedit: uniform semantic annotation for data integration in medicine based on a public metadata repository. BMC Med Res Methodol. 2016 Jun 1;16(1):65. PMID: 27245222
3. **Dugas M**. Missing semantic annotation in databases. The root cause for data integration and migration problems in information systems. Methods Inf Med. 2014;53(6):516-7. PMID: 25377893.
4. Ständer S, Pogatzki-Zahn E, Stumpf A, Fritz F, Pfeleiderer B, Ritzkat A, Bruland P, Lotts T, Müller-Tidow C, Heuft G, Pavenstädt HJ, Schneider G, Van Aken H, Heindel W, Wiendl H, **Dugas M**, Luger TA. Facing the challenges of chronic pruritus – a report from a multi-disciplinary medical itch center in Germany. Acta DermatoVenereol 2015; 95:266-7
5. Bruland P, Forster C, Breil B, Ständer S, **Dugas M**, Fritz F. Does single-source create an added value? Evaluating the impact of introducing x4T into the clinical routine on workflow modifications, data quality and cost-benefit. Int J Med Inform. 2014;83(12):915-28. PMID: 25220487
6. Bartenhagen C, **Dugas M**. Robust and exact structural variation detection with paired-end and soft-clipped alignments: SoftSV compared with eight algorithms. Brief Bioinform. 2016 Jan;17(1):51-62. PMID: 25998133.
7. Klein HU, Schäfer M, Porse BT, Hasemann MS, Ickstadt K, **Dugas M**. Integrative analysis of histone ChIP-seq and transcription data using Bayesian mixture models. Bioinformatics. 2014; 30: 1154-1162. PMID: 24403540.
8. Hebestreit K, Gröttrup S, Emden D, Veerkamp J, Ruckert C, Klein HU, Müller-Tidow C, **Dugas M**. Leukemia gene atlas - a public platform for integrative exploration of genome-wide molecular data. PLoS One. 2012;7(6):e39148. PMID: 22720055
9. Schulze I, Rohde C, Scheller-Wendorff M, Bäumer N, Krause A, Herbst F, Riemke P, Hebestreit K, Tschanter P, Lin Q, Linhart H, Godley LA, Glimm H, **Dugas M**, Wagner W, Berdel WE, Rosenbauer F, Müller-Tidow C. Increased DNA methylation of Dnmt3b targets impairs leukemogenesis. Blood. 2016 Mar 24;127(12):1575-86. PMID: 26729896.
10. Polprasert C, Schulze I, Sekeres MA, Makishima H, Przychodzen B, Hosono N, Singh J, Padgett RA, Gu X, Phillips JG, Clemente M, Parker Y, Lindner D, Dienes B, Jankowsky E, Sauntharajah Y, Du Y, Oakley K, Nguyen N, Mukherjee S, Pabst C, Godley LA, Churpek JE, Pollyea DA, Krug U, Berdel WE, Klein HU, **Dugas M**, Shiraishi Y, Chiba K, Tanaka H, Miyano S, Yoshida K, Ogawa S, Müller-Tidow C, Maciejewski JP. Inherited and Somatic Defects in DDX41 in Myeloid Neoplasms. Cancer Cell. 2015;27(5):658-70. PMID: 25920683.