

SHORT SUMMARY
CURRICULUM VITAE
EUROPEAN FORM



PERSONAL DATA

Name	GONZÁLEZ-DÍAZ, HUMBERTO
Possition	IKERBASQUE Professor
Current Address	Dpt. Organic Chemistry II, Univ. of Basque Country UPV/EHU, Leioa, Spain
Email	humberto.gonzalezdiaz@ehu.es
Nationality	Spain
Residence Country	Spain
Date of Birth	Aug, 1975
IKERBASQUE	http://www.ikerbasque.net/en/humberto-gonzalez-diaz
ORCID	http://orcid.org/0000-0002-9392-2797
Specialization (UNESCO codes)	2390.01 New Drugs Design, Synthesis, and Study, 2306 Organic Chemistry, 2404.01 Biostatistics, 2404 Matematical Biology, 2404.99 Bioinformatics and Systems Biology, 1203 Computational Sciences
CV Update Date	Nov/20/2017

Abbrev. UPV/EHU = University of the Basque Country; **ERC** = European Research Commission; **NSF** = US National Science Foundation; **BMBF** = German Federal Ministry of Education & Research; **BBSRC** = Biotechnology and Biological Sciences Research Council; **ESF** = European Social Fund; **JCR** = Journal Citation Report; **WoS** = ISI Web of Science; **ESF** = European Social Fund; **LU** = Loyola University of Chicago, IL, USA; **ANECA** = Spain National Agency for Quality Accreditation; **VLIR** = De Vlaamse Interuniversitaire Raad; **XdG** = Galician Government; **MEC** = Spain Minister of Science and Education; **USC** = University of Santiago de Compostela; **ANEP** = Spain National Agency for Evaluation and Prospective; **ACSUG** = Agency for Quality Accreditation of Galicia University System; **MINSAP** = Cuba Ministry of Public Health ; **ACC** = Cuba National Academy of Sciences; **CBQ.YM** = CBQ York Medical Inc., spin-off of York Medical Inc. Canadá and CBQ, UCLV; **UCLV** = Central University of Las Villas;

CV Accreditations	7	Direction of Dissertations	12
ANECA for Univ. Professor (Senior)	1	Supervisor of Ph.D. Dissertations	12
ANECA for Univ. Professor (other categories)	3 / 3	M.Sc. Dissertation	3
ANEP and ACSUG, Researcher	2	Lic. Dissertations	7
R+D Projects	16	R&D Management & Organization	
Nationals (MEC, and others)	15	Head of Sci. Groups	2
Internationals (VLIR-MES)	1	Head of Healthcare Programme	1
Publications & Scientific Productivity		Committees & Scientific Boards	
JCR WoS Hirsch index (h)	47	Sci. Journals Editorial Boards	5
JCR WoS Times Cited	>6000	PhD Dissertations Committees	3
JCR WoS Research Papers	>190	Agencies I have Reviewed Projects ERC, US NSF, BMBF, BBSRC, US-ISR BARD, etc.	>5
Total Publications	>220	LUC Prof. Promotion Committee	1
Books	3	Reviewer for Journals	>20
Book Editions	3	Guest-Editor of Special Issues	10
Book Chapters	>25	ELSEVIER manuscript awards	4
Scientific Meetings Communications	>40	ACC awards	3

(Top Ten Selected Papers Published as Ikerbasque Professor, last 5 years, 2013-2017)

1. M. González-Durruthy, M. Castro, S. Manske Nunes, J. Ventura-Lima, L.C. Alberici, Z. Naal, D.T. Atique-Sawazaki, C. Curti, C. Pires Ruas, M.A. Gelesky, K. Roy, H. González-Díaz, J.M. Monserrat QSPR/QSAR-Based Perturbation Theory Approach and Mechanistic Electrochemical Assays on Carbon Nanotubes with Optimal Properties Against Mitochondrial Fenton Reaction Experimentally Induced by Fe²⁺-overload. *CARBON*. **2017**, 115, 312-330, Editorial, Country: Elsevier, Netherlands. IF = **6.337**.
2. Gastrointestinal Spatiotemporal mRNA Expression of Ghrelin vs Growth Hormone Receptor and New Growth Yield Machine Learning Model Based on Perturbation Theory. Ran T, Liu Y, Li H, Tang S, He Z, Munteanu CR, González-Díaz H, Tan Z, Zhou C. *SCIENTIFIC REPORTS*. **2016**; 6:30174, Editorial, Country: Nature Publishing Group, USA. IF = **4.259**
3. Messina PV, Besada-Porto JM, González-Díaz H, Ruso JM. Self-Assembled Binary Nanoscale Systems: Multioutput Model with LFER-Covariance Perturbation Theory and an Experimental-Computational Study of NaGDC-DDAB Micelles. *LANGMUIR*. **2015**; 31(44):12009-18. doi: 10.1021/acs.langmuir.5b03074. Editorial, Country: American Chemical Society, USA. IF = **4.457**
4. Romero-Durán FJ, Alonso N, Yañez M, Caamaño O, García-Mera X, González-Díaz H. Brain-inspired cheminformatics of drug-target brain interactome, synthesis, and assay of TVP1022 derivatives. *NEUROPHARMACOLOGY*. **2015**, 103:270-8. doi: 10.1016/j.neuropharm.2015.12.019. Editorial, Country: Elsevier, Netherlands. IF = **5.106**
5. Luan F, Kleandrova VV, González-Díaz H, Ruso JM, Melo A, Speck-Planche A, Cordeiro MN. Computer-aided nanotoxicology: assessing cytotoxicity of nanoparticles under diverse experimental conditions by using a novel QSTR-perturbation approach. *NANOSCALE*. **2014**; 6(18):10623-30. doi: 10.1039/c4nr01285b. Editorial, Country: RSC Royal Society of Chemistry, United Kingdom. IF = **7.394**
6. Kleandrova VV, Luan F, González-Díaz H, Ruso JM, Speck-Planche A, Cordeiro MN. Computational tool for risk assessment of nanomaterials: novel QSTR-perturbation model for simultaneous prediction of ecotoxicity and cytotoxicity of uncoated and coated nanoparticles under multiple experimental conditions. *ENVIRON SCI TECHNOL*. **2014**; 48(24):14686-94. doi: 10.1021/es503861x. Editorial, Country: American Chemical Society, USA. IF = **5.330**
7. Kleandrova VV, Luan F, González-Díaz H, Ruso JM, Melo A, Speck-Planche A, Cordeiro MN. Computational ecotoxicology: simultaneous prediction of ecotoxic effects of nanoparticles under different experimental conditions. *ENVIRON INT*. **2014**; 73:288-94. doi: 10.1016/j.envint.2014.08.009. Editorial, Country: Elsevier, Netherlands. IF = **5.559**
8. González-Díaz H, Herrera-Ibatá DM, Duardo-Sánchez A, Munteanu CR, Orbegoza-Medina RA, Pazos A. ANN multiscale model of anti-HIV drugs activity vs AIDS prevalence in the US at county level based on information indices of molecular graphs and social networks. *J CHEM INF MODEL*. **2014**; 54(3):744-55. doi: 10.1021/ci400716y. Editorial, Country: American Chemical Society, USA. IF = **3.738**
9. Duardo-Sánchez A, Munteanu CR, Riera-Fernández P, López-Díaz A, Pazos A, González-Díaz H. Modeling complex metabolic reactions, ecological systems, and financial and legal networks with MIANN models based on Markov-Wiener node descriptors. *J CHEM INF MODEL*. **2014**; 54(1):16-29. doi: 10.1021/ci400280n. Editorial, Country: American Chemical Society, USA. IF = **3.738**
10. Alonso N, Caamaño O, Romero-Duran FJ, Luan F, D S Cordeiro MN, Yañez M, González-Díaz H, García-Mera X. Model for high-throughput screening of multitarget drugs in chemical neurosciences: synthesis, assay, and theoretic study of rasagiline carbamates. *ACS CHEM NEUROSCI*. **2013**; 4(10):1393-403. doi: 10.1021/cn400111n. Editorial, Country: American Chemical Society, USA. IF = **4.21**

WORK EXPERIENCE DETAILS	
• Dates (From – To)	CURRENT WORK POSITION : JAN 2013 – TO DATE
• Employer Name and Address	Dept. Organic Chemistry II, UPV/EHU, Leioa, Spain
• Sector	Public University
• Possition	IKERBASQUE Professor
• Activities and Duties	Research in Applied Cheminformatics
• Dates (From – To)	PREVIOUS WORK POSITION : JULY 2007 – DECEMBER 2011 (END OF CONTRACT)
• Employer Name and Address	Dept. Microbiol & Parasitology, USC, SPAIN
• Sector	Public University
• Possition	Tenured-Track IPP Professor, funded by XdG and ESF
• Activities and Duties	Research and Teaching in Applied Bioinformatics
• Dates (From – To)	WORK POSITION FROM JULY 2007 – DECEMBER 2009
• Employer Name and Address	USC, SPAIN
• Sector	Public R&D Institute
• Position	Head of Unit of Bioinformatics and Connectivity Analysis (UBICA)
• Main Activities and Duties	Head of the unit

• Dates (From – To)	WORK POSITION FROM DECEMBER 2008 – DECEMBER 2009
• Employer Name and Address	Faculty of Pharmacy, University of Porto, Portugal
• Sector	Public University
• Possition	Post-Doc Fellow, funded by USC, XdG, and F.S.E.
• Main Activities and Duties	Research on Bioinformatics and Drug Design
• Dates (From – To)	WORK POSITION FROM MAY 2005 – OCTOBER 2005
• Employer Name and Address	XdG and USC, SPAIN
• Possition / Sector	Visiting Profesor / Public University
• Main Activities and Duties	Conduct Research in Computational Design and Drug Applied Bioinformatics.
• Dates (From – To)	WORK POSITION FROM JANUARY 2001 – MARCH 2006
• Employer Name and Address	CBQ.YM.Inc., Spin-off of York Medical Inc., Toronto Canadá and CBQ, UCLV
• Sector	R&D Industry / Center at Public University
• Possition	Assitant Profesor, Senior Researcher, Group Leader in Molecular Simulation
• Main Activities and Duties	Research in Computational Drug Design and Applied Bioinformatics
• Dates (From – To)	WORK POSITION FROM SEPTEMBER 1998 – JANUARY 2001
• Employer Name and Address	UCLV RPF University Clinic, SC, Cuba
• Sector / Possition	Public Clinic / Drug Programme Chief
• Main Activities and Duties	Primary Health Care Services Management

SCIENTIFIC AND MANAGEMENT ACTIVITIES SUMMARY				
POSITION	CENTER/ACTIVITY NOTES	INSTITUTION	dd/mm/yy	dd/mm/yy
Head of Medicaments Programme	UCLV RPF University Clinic center	MINSAP	1998	2000
Lecturer Bioinformatics	UCLV	MES	2001	2002
Bioinformatics Researcher (Permanent Position)	CBQ, UCLV, Cuba.	CBQ, UCLV, MES	2001	2004
Assistant Profesor	CBQ, UCLV, Cuba.	CBQ, UCLV, MES	-	08/02/2004
Vissiting Profesor	Dept. Chemistry	Univ. of Vigo, Spain	16/06/2003	23/07/2003

			30/06/2004	08/07/2004
Visiting Researcher	Dept. Org. Chemistry, Fac. Pharmacy	USC, Spain	02/2005	06/2005
PhD Thesis Dissert	Dept. Org. Chemistry, Fac. Pharmacy	USC, Spain	-	08/07/2005
Vissiting Profesor	Facultad de Farmacia,	USC, Spain	15/07/2006	15/09/2006
Bioinf. Post-Doc Fellow	CBQ, UCLV, Cuba.	UCLV, Cuba	15/07/2005	31/03/2006
Member	ACC	ACC	2006	2006
PhD Thesis Committee	Dept. Org. Chemistry, Fac. Pharmacy	USC	-	2006
Tenured-Track Profesor	Dept. Microbiol. & Parasitology	USC, Spain	01/01/2006	28/12/2011
Project Reviewer	US NSF	NSF proposal 0718276	01/11/2007	01/12/2007
Promotion Committee	Dept. Chemistry,	LU Chicago	-	2005
PhD Thesis Committee	Dept. Org. Chemistry, Fac. Pharmacy	USC, Spain	-	2007
Guest-Editor	Special issue	Curr Top Med Chem	2007	2008
Scientific Committee	ECSOC 12th	USC	01/11/2008	15/11/2008
Post-Doc Fellow	Gordon Life Sci. Institute, CL, USA	Gordon Foundation	26/12/2008	26/12/2009
Guest-Editor	Special issue of Computational Proteomics	Current Proteomics	2008	2009
Bioinformatics Post-Doc Fellow	Fac. Pharmacy, Prof. F. Borges	Univ. Oporto, Portugal	26/12/2008	26/12/2009
Guest-Editor		Current Drug Metabolism	2009	2010
Guest-Editor	<i>Molecules</i> Editorial Office	MDPI	2010	2011
Researcher	Dept. Microbiol. & Parasitology	USC, Spain	-	11/01/2012
Section Editor		Curr Top Med Chemistry	2011	2012
Co-Editor-In-Chief		Curr Top Med Chemistry	2012	2015
Visiting Professor Invited Talk	Invited Talk: Cheminformatics. Coordinator: Prof. C. Palomo Nicolau	Dept. Organic Chemistry I, UPV/EHU, Donostia-San Sebastián	-	12/2012
Ikerbasque Professor	(Current Possition) Dept. Organic Chemistry II	UPV/EHU, Spain	2013	-
Presentation of Appointed Ikerbasque Professor (Invited Talk)	Invited Talk: From Theoretical Chemistry to Complex Networks. Coordinator: Prof E. Lete and Prof. Nuria Sotomayor.	ZTF PARANINFO, UPV/EHU, Leioa	16/10/2013	-
Guest-Editor of JCR Journal	Issue: Computational prediction of drug-target interactions in medicinal chemistry.	Curr Top Med Chem, JCR IF: 3.702	2013	-
INCOB2013 Congress Scientific Committee.	12th International Conference on Bioinformatics, Taicang, China,	-	-	09/2013
RSEQ XXXIV Biennial Meeting	Co-Editor-In-Chief of CTMC for Special Issue: Chemistry	RSEQ	2013	2013

Editor	bordering Biology: highlights from the XXXIV Biennial Meeting of the RSEQ. Santander, Spain. Guest-Edited by Prof. P Goya (CSIC) and Prof. S. Martín-Santamaría (CSIC)			
Editor of JCR Journal	Computational and Structural Biotechnology Journal. ISSN: 2001-0370	ELSEVIER	2013	-
Guest-Editor of JCR Journal	Issue: Bioinformatics and Quantitative Structure-Property Relationship (QSPR) Models.	Curr Bioinf, 2013, Vol 8, No 4.	2013	-
iCBBE2013 Organizing Committee.	7th International Conference on Bioinformatics and Biomedical Engineering (iCBBE), Beijing, China.		2013	09/2013
PhD Thesis Committee, PhD J Diaz de Saralde	Department of Organic Chemistry II	UPV/EHU	28/07/2014	-
Pro Bono Consulting Project Reviewer	Czech Science Foundation	-	07/2014	-
Guest-Editor of JCR Journal	Special Issue: Nanocarriers & Drug Delivery: Rational Design And Applications.	Current Top Med Chemistry, JCR IF: 3.702	2014	2014
Pro Bono Consulting Project Reviewer	BBSRC, UK Biotechnology and Biological Sciences Research Council	-	09/2014	-
Editor of JCR Journal	Editorial Board	Comput Math Methods in Medicine JCR IF = 1.018	2014	-
Guest-Editor of JCR Journal	Special Issue: From Phytochemistry to Medicinal Chemistry: Isolation, Semisynthesis, Evaluation and Computational Studies.	Current Top Med Chemistry, JCR IF: 3.702	2014	2014
Guest-Editor of JCR Journal	Chemo-Informatics in Metabolomics - from Chemical Reactivity, to ADME process, and Metabolic Networks. Part I and II.	Curr Drug Metabolism, JCR IF: 2.976	2014	2015
Pro Bono Consulting Project Reviewer	PICT FONCYT-CABBIO, Call of Argentina-Brasil Center for Biotechnology	FONCYT, Argentina National Agency for Scientific and Technological Promotion	09/2014	-
Coordinator of SUDA-EHU Agreement for doctoral studies	Department of Organic Chemistry II, UPV/EHU and Center for Systems Biology, Soochow University, China	-	2015	-
Visiting Professor	Course: Multi-Scale Models for Complex Bio-Molecular Systems (6h). Program: MSc in Sustainable	University Institute for Molecular Science (ICMOL), University of Valencia (UV).	25/02/2015	27/02/2015

	Chemistry. Level/Code: Official Interuniversity Program, 60 credits, code 2190. Coordinators: Profs. J. Pérez-Prieto, J Gálvez and R García-Domenech			
IWMBI2015 Congress,	International Workshop on Molecular and Biomedical Informatics (Organizing Committee & Invited talk)	University of Coruña (UDC), Coruña, Spain	2015	2015
Pro Bono Consulting Project Reviewer	BMBF, German Federal Ministry of Education & Research; The Netherlands Organisation for Health Research and Development (ZonMw)	-	06/03/2015	-
IBCG2015 Congress	Chemoinformatics predictive models in Cancer research. IBCG2015 - II Investigación Biomédica del Cancer en Galicia, (Invited talk).	Hospital Juan Canalejo de Coruña	2015	2015
IWBBIO 2016, Steering Committee.	3rd International Work-Conference on Bioinformatics and Biomedical Engineering (IWBBIO)	University of Granada, Granada, Spain	2015	04/2015
PUBLONS Accreditation	PUBLONS: Ranked in top 5% of Publons worldwide ranking of Editors and Reviewers	Ranked in top 5% with >500 points out of >50,000 Editors and Reviewers of >15,000 Journals.	2015	-
President PhD Thesis Tribunal, PhD Noha Veiguela	Department of Communications and Computer Sciences	University of Coruña (UDC)	-	2015
OMICS PROTEOM & BIOINF 2015 Organizing Committee	5th International Conference on Proteomics & Bioinformatics Congress	OMICS Group, Valencia, Spain	2015	09/2015
Editor of JCR Journal	Guest-Editor of Special Issue, Cheminformatics in Pharm Design. Editors: Prof. H. González-Díaz Prof. D Bonchev, VCU, USA; Prof. SC Basak UMN-Duluth, USA; Dr. A Nayariseri, Eminent Biosciences.	Current Pharm Design (CPD), IF = 3.452,	2015	2016
MOL2NET2015 Congress, Chairman and Committee.	MOL2NET International Conference on Multidisciplinary Sciences. Some Professors Members of the Committee: H. González-Díaz (Chairman), E. Lete, N. Sotomayor UPV/EHU; Prof FP Cossío, IKERBASQUE President E.	MDPI Editorial, SciForum Platform, HQs UPV/EHU, Faculty of Science and Technology, Campus Bizkaia	2015	15/12/2015

	Domínguez (Faculty Dean); A.B. Reitz FCCDC CEO, USA; J.J. Chou, Harvard Med School, USA. D. Bonchev VCU, USA, etc.			
Editor of JCR Journal	Guest-Editor of Special Issue for Current Neuropharmacology, IF = 3.049	Bentham Science	2015	2016
iCBBE2015 Organizing Committee.	9th International Conference on Bioinformatics and Biomedical Engineering (iCBBE), Shanghai, China.	-	2015	09/2015
ERASMUS+ UROSTOCK- UPV/EHU, Dept of Organic Chemistry II, Coordinator	Coordinator of students research stays between UPV/EHU and University of Rostock. Coordinators: Prof. P. Langer, U Rostock, Germany. Profs. E. Lete, N. Sotomayor, and H. Gonzlaez-Diaz, UPV/EHU.	UPV/EHU and University of Rostock	2015	-
Editor of JCR Journal	International Journal of Molecular Sciences, IF = 2.862, Editors: Prof. H Gonzalez-Diaz UPV/EHU Prof. A Pazos, UDC Prof. R. Todeschini, U Milano- Bicocca, Italy.	MDPI Editorial,	2015	2016
Editor of JCR Journal	Editor of Special Issue	BioMed Research International, IF = 1.579	2015	2016
iCBBE2016 Organizing Committee.	10th International Conference on Bioinformatics and Biomedical Engineering (iCBBE), Xi'an, China.	Xi'an Jiaotong University	2015	09/2016
IWBBIO 2016, Steering Committee.	4th International Work- Conference on Bioinformatics and Biomedical Engineering (IWBBIO)	University of Granada, Granada, Spain	2015	09/2016
Supervisor of PhD Student from abroad	Supervisor of J. Edwald, University Jena, Germany, Funded FungiNet by European Research Consortium	Dept. Org. Chem. II, UPV/EHU	15/02/2016	15/03/2016
Supervisor of PhD Student from abroad	Supervisor of PhD student from UAEM, funded by CONACYT, México.	Dept. Org. Chem. II, UPV/EHU	05/2016	-
ERC PROJECT REVIEWER (Pro Bono Consulting).	European Research Council (ERC)	Consolidator Grants call	2017	2017
BARD PROJECT REVIEWER (Pro Bono Consulting)	USA-Israel Bi-national Agricultural Research & Development Fund (BARD)		2016/Dec/01	2017/Jan/1 0