Jesús M. Castagnetto

Curriculum Vitae

Education

1991–1997	**Ph.D. in Chemistry**, *New York University*, New York, USA
1981–1985	**B.Sc. in Chemistry**, *Universidad Peruana Cayetano Heredia*, Lima, Perú

Work Experience

2022 — **Data and interoperability consultant**, *INSIGHT Project: University of Washington and Universidad Peruana Cayetano Heredia*, Remote and on location

2022 — **Data Engineer and Remote consultant**, *King Abdullah University of Science and Technology*, Thuwal, Kingdom of Saudi Arabia
Organization, management and creation of data processing pipelines and data quality systems for the KAUST Research Operations Office.

2019–2021 — **Innovation and Data Analyst**, *Universidad de Lima*, Lima, Perú
Analyze new techonological trends and their applicability in a university setting. Promote and participate in digital transformation and automatization initiatives. Identify, prioritize and define the specific data and information requirements in the framework of a in integrated business intelligence model.

2017–2018 — **Senior Technical Advisor to the National Head**, *Oficina Nacional de Procesos Electorales (ONPE)*, Lima, Perú
Planning and advising on the application of computational technologies (distributed processing, Blockchain, Homomorphic Encryption, etc.), as well as performing data analysis (Machine/Deep Learning, interactive visualizations, etc.) to support the planning and evaluation of electoral processes, decision making, and laying the foundations for future innovations. Promotion and coordination of all related actions on Digital Government and its impact ONPE

2015–2017 — **Information Technology Office Head(a.i.)**, *Consejo Nacional de Ciencia, Tecnología e Innovación Tecnológica (CONCYTEC)*, Lima, Perú

2009–2015 — **Head(a.i.) of Databases and Applications**, *University IT Office, Universidad Peruana Cayetano Heredia*, Lima, Perú

2007–2015 — **Head of Software Research and Development**, *University IT Office, Universidad Peruana Cayetano Heredia*, Lima, Perú

2005–2011 — **Professor at the Departamento Académico de Química**, *Facultad de Ciencias y Filosofía, Universidad Peruana Cayetano Heredia*, Lima, Perú

2003–2004 — **Programmer/Analyst III**, *San Diego Supercomputer Center*, San Diego, CA, USA
Consulting on planning, design and implementation for internalSDSC/UCSD, and externals projects using web services and a SOA (Service Oriented Architecture) to develop distributed systems for bioinformatics and massive/parallel data analysis.

1997–2003 — **Postdoctoral Research Associate**, *The Scripps Research Institute*, San Diego, CA, USA
Postdoctoral research in bioinformatics and metalloprotein design.

Scientific Research

2005–2015 **Research Scientist**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Research and development in Computational Chemistry/Chemoinformatics, Bioinformatics and Biomedical Informatics

2003–2004 **Programmer/Analyst III**, *San Diego Supercomputer Center*, San Diego, CA, USA
Bioinformatics data and web services integration in the Scientific Computing Division, Data Intensive Group

1997–2003 **Postdoctoral Research Associate**, *The Scripps Research Institute*, San Diego, CA, USA

Research in bioinformatics, including the design and implementation of a database of metal-binding sites in proteins, with web-based interactive as well as application programming interfaces (using REST, XML-RPC, and SOAP). This research involved also the creation of tools for the analysis of the geometrical information indexed in the Metalloprotein Database and Browser (MDB: `http://metallo.scripps.edu`), for the computational design of metalloprotein sites. This research is part of the Metalloprotein Structure and Design Program Project at TSRI.

1991–1997 **Graduate Student**, *New York University*, New York City, NY, USA
Computational studies on the modeling of 5-coordinate Zn(II)-tripodal organic ligand complexes. Synthesis and physical studies of the chiroptical and fluorescence properties of divalent metal-chiral ligand complexes. Studies on the design and synthesis of conductive polymers related to polyaniline (PANI).

1985–1989 **Research Student**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Research on the isolation and quantification of steroidal sapogenins from plants of the genera *Dioscorea* from the Peruvian jungle. Research on the isolation of active principles from plants with contraceptive properties. Synthesis and physical studies of 1,2-dithiol-3-thione aromatic heterocyclic systems.

1984–1985 **Undergraduate Student**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Undergraduate Research on Natural Products isolation and identification from plants of the Peruvian Andes and the Amazon Region.

Teaching

2005–2015 **Professor**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Miscellaneous Post-graduate classes and courses in Computational Chemistry, Bioinformatics, Biomedical Informatics and Software Engineering (including distributed systems, web services, clusters, cloud computing, etc.)

2000–2003 **Postdoctoral Research Associate**, *The Scripps Research Institute*, San Diego, CA, USA
Workshops on the theory and practice of Structural Bioinformatics, in relation to the Metalloprotein Database and Browser (MDB).

1992–1996 **Teaching Assistant**, *New York University*, New York City, NY, USA
Lectures for the undergraduate Organic Chemistry courses

1991–1996 **Teaching Assistant**, *New York University*, New York City, NY, USA
Lab practice for the undergraduate Organic Chemistry courses

1985–1990 **Instructor/Teacher**, *Department of Chemistry, Universidad Peruana Cayetano Heredia*, Lima, Perú
Undergraduate courses: "Introduction to Chemistry" (Odontology majors), "Physical-Chemistry I" and "Physical-Chemistry II" (Science majors).
Graduate course: "Optical Methods of Analysis and Chromatographic Separations"

1985–1990	**Teacher**, *Centro de Estudios Pre-Universitarios (CEPU)*, Lima, Perú
	Pre-college level course in Chemistry. CEPU is the prep-school for Universidad Peruana Cayetano Heredia
1984–1987	**Teaching Assistant**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
	Dept. of Chemistry: "Optical Methods of Analysis and Chromatographic Separations"
	Dept. of Physics and Mathematics: "Physical-Mathematics I" and "Physical-Mathematics II"

Independent Coursework

2020	"Specialization Certificate: Advanced Business Analytics". February, 2020. University of Colorado Boulder, Coursera
2020	"Advanced Business Analytics Capstone". February, 2020. University of Colorado Boulder, Coursera
2019	"Communicating Business Analytics Results". October, 2019. University of Colorado Boulder, Coursera
2019	"Business Analytics for Decision Making". October, 2019. University of Colorado Boulder, Coursera
2019	"Predictive Modeling and Analytics". September, 2019. University of Colorado Boulder, Coursera
2019	"Introduction to Data Analytics for Business". September, 2019. University of Colorado Boulder, Coursera
2019	"Zero to Deep Learning Bootcamp Three - Working with Convolutional and Recurrent Neural Networks". August, 2019. Cloud Academy
2019	"Zero to Deep Learning Bootcamp Two - Getting Started With Deep Learning". August, 2019. Cloud Academy
2019	"Zero to Deep Learning Bootcamp One - Introduction to Data Science and Machine Learning". August, 2019. Cloud Academy
2019	"Machine Learning on Google. Cloud Platform". August, 2019. Cloud Academy
2019	"Cloud Analytics Academy: Data-Driven Marketing". March, 2019. Cloud Analytics Academy
2019	"Cloud Analytics Academy: Executive Fast Track". March, 2019. Cloud Analytics Academy
2019	"Cloud Analytics Architect". March, 2019. Cloud Analytics Academy
2019	"Cloud Analytics Master". March, 2019. Cloud Analytics Academy
2019	"Cloud Analytics Practicioner". March, 2019. Cloud Analytics Academy
2019	"Elements of AI". March, 2019. University of Helsinki / Reaktor
2017	"IDB10x: Datos para la efectividad de las políticas públicas". September, 2017. Inter-American Development Bank, edX
2016	"DS101x: Data Science Ethics". June, 2016. University of Michigan, edX
2015	"DAT203x Data Science and Machine Learning Essentials". August, 2015. Microsoft, edX
2015	"Developing Data Products". August, 2015. Johns Hopkins University, Coursera
2015	"Practical Machine Learning". June, 2015. Johns Hopkins University, Coursera
2015	"15.071X The Analytics Edge". March, 2015. MITx, edX

2015	"PH525.2x Matrix Algebra and Linear Models". February, 2015. HarvardX, edX
2015	"Regression Models". January, 2015. Johns Hopkins University, Coursera
2014	"Statistical Inference". August, 2014. Johns Hopkins University, Coursera
2014	"Reproducible Research". August, 2014. Johns Hopkins University, Coursera
2014	"Exploratory Data Analysis". July, 2014. Johns Hopkins University, Coursera
2014	"Getting and Cleaning Data". July, 2014. Johns Hopkins University, Coursera
2014	"R Programming". June, 2014. Johns Hopkins University, Coursera
2014	"The Data Scientist's Toolbox". June, 2014. Johns Hopkins University, Coursera
2014	"PH525x Data Analysis for Genomics". April, 2014. HarvardX, edX
2014	"Analytics Platform Principles". March, 2014. Google Analytics Academy (https://analyticsacademy.withgoogle.com/course02)
2014	"Making Sense of Data". February, 2014. Google (https://datasense.withgoogle.com/course)
2014	"StatLearning Statistical Learning". January, 2014. Stanford University, OpenEdX
2014	"Statistical Reasoning for Public Health: Estimation, Inference, & Interpretation". January, 2014. Johns Hopkins University, Coursera
2013	"Digital Analytics Fundamentals". October, 2013. Google Analytics Academy (https://analyticsacademy.withgoogle.com/course01)
2013	"Data Analysis". October, 2013. Johns Hopkins University, Coursera
2013	"Computing for Data Analysis". September, 2013. Johns Hopkins University, Coursera
2013	"Data Management for Clinical Research". September, 2013. Vanderbilt University, Coursera
2013	"Introduction to Data Science". May, 2013. University of Washington, Coursera
2012	"PH207x Health in Numbers: Quantitative Methods in Clinical and Public Health Research". October, 2012. HarvardX, edX
2005	"Certification on Ethics in Research". August, 2005. PHI

Miscellaneous

2020–2021	Member of an advisory group on prospective analysis of COVID-19 for the Ministry of Health, Peru (RM 412-2020-MINSA, 2020-06-18: https://www.gob.pe/institucion/minsa/normas-legales/704773-412-2020-minsa)
2015	Community TA in the Coursera courses: "The Data Scientist's Toolbox" (Jan. 2015), "R Programming" (Jan. 2015), "Getting and Cleaning Data" (Feb. 2015), "Exploratory Data Analysis" (Feb. 2015)
2010	Judge in the Final round of the "2010 Talent and Innovation Competition of the Americas" (June, 2010 – Lima, Perú). Young Americas Business Trust, Organization of American States
2009–2010	Director of Technology Transfer at "ACT Technopark IDI" March 23, 2009 - March 23, 2010. Lima, Perú
2009	Member of a thesis evaluation committee for a student opting for the Licenciate in Science with mention in Biology (June, 2009), Universidad Peruana Cayetano Heredia, Lima, Perú

2009	Designated as member of a committee for the evaluation and revalidation of a Doctoral degree conferred in a foreign institution (January, 2009), Universidad Peruana Cayetano Heredia. Lima, Perú.
2005–now	Various consulting jobs for the public sector about the requisition, design, development, monitoring and auditing of software for the health sector.
2005–2007	Technical Consultant on Biomedical Information Systems and Software Development for Proyecto VIGIA, a joint project of the Peruvian Ministry of Health and USAID, Lima, Perú.
2003	Invited to FOO Camp by Tim O'Reilly (October 10-12). A gathering of "... about 200 people who're doing interesting work in fields such as wireless, web services, open source, programming, GPD, and all manner of emerging technologies ..." (from the Foo Camp Wiki, https://web.archive.org/web/20130903181429/http://wiki.oreillynet.com/foo-camp/index.cgi)
2003–2007	Elected as member of the PEAR group, the governing body of the PEAR project (PHP Extensions and Applications Repository).
2002–now	Member (Software developer) of the PHP Extensions and Applications Repository (PEAR, http://pear.php.net)
1996	(April 29-30) Chemistry Panel Study Group, United States Civilian Research and Development Foundation, For the Independent States of the Former Soviet Union (CRDF).

Awards

1997	(Spring Semester) New York University, Graduate School of Arts and Sciences Student Conference Travel Award. (National ACS Meeting, San Francisco).
1996–1997	New York University, Graduate School of Arts and Sciences Dean's Dissertation Fellowship.
1995	(Spring Semester) New York University, Graduate School of Arts and Sciences Student Conference Travel Award. (National ACS Meeting, Anaheim).
1981–1985	Japan International Cooperation Agency (JICA), scholarship for college level study at the Universidad Peruana Cayetano Heredia, Lima, Perú.

Professional memberships

1991–2006	American Chemical Society (ACS), Division of Organic Chemistry (ORG).
1991–2006	American Chemical Society (ACS), Division of Computers in Chemistry (COMP).

Online profiles

Google Scholar
http://scholar.google.com/citations?user=Bt2oS_cAAAAJ&hl=en&oi=ao
Microsoft Academic Profile
https://academic.microsoft.com/profile/e9jh4g54-f022-4957-9e36-f7g213he26fi/jmcastagnetto/
OCLC WorldCat list of publications
https://www.worldcat.org/profiles/jmcastagnetto/lists/3026526

ORCID public profile
http://orcid.org/0000-0002-7188-1605

Scopus public profile
http://www.scopus.com/authid/detail.url?authorId=6506917131

ResearcherID public profile
http://www.researcherid.com/rid/F-4998-2012

ResearchGate public profile
http://www.researchgate.net/profile/Jesus_Castagnetto

OpenHub public profile
https://www.openhub.net/accounts/jmcastagnetto/

LinkedIn
http://www.linkedin.com/in/jesuscastagnetto

Github
https://github.com/jmcastagnetto

Slideshare
http://www.slideshare.net/jesus.castagnetto/

Languages

Spanish	Mother tongue	**English**	Advanced level

Theses

1997 CASTAGNETTO, J.M. *Computational modeling and physical studies of metal-ligand complexes*. Ph.D. dissertation, New York University, NY, USA. 1997. UMI: No. DA9808357, OCLC No. 79735965, ISBN 0-591-58718-1.

1989 CASTAGNETTO, J.M. *Síntesis y caracterización del sistema 1,2-ditiol-3-tiona aromático*. B.Sc. thesis, Universidad Peruana Cayetano Heredia, Lima, Perú. 1989.

Book

1999 CASTAGNETTO, J.M.; RAWAT, H.; SCHUMANN, S.; SCOLLO, C.; VELIATH, D. *Professional PHP Programming*. Wrox Press. 1999. ISBN 1861002963. Published on: 1999/12/15.

Peer-reviewed papers

2020 CASTAGNETTO, J.M.; SEGOVIA-JUAREZ, J.; GONZALES, G.F. "*Letter to the Editor: COVID-19 Infections Do Not Change with Increasing Altitudes from 1,000 to 4,700 m*". *High Altitude Medicine & Biology*. 2020; DOI: 10.1089/ham.2020.0173. PMID: 33054403.

—— SEGOVIA-JUAREZ, J.; CASTAGNETTO, J.M.; GONZALES, G.F. "*High altitude reduces infection rate of COVID-19 but not case-fatality rate*". *Respiratory Physiology & Neurobiology*. 2020; 281:103494. ISSN 1569-9048. DOI: https://doi.org/10.1016/j.resp.2020.103494.

2015 García, P.J.; Egoavil, M.S.; Blas, M.M.; Alvarado-Vásquez, E.; Curioso, W.H.; Zimic, M.; Castagnetto, J.M.; Lescano, A.G.; Lopez, D.M.; Cárcamo, C.P. "*Primer programa universitario de diplomado virtual y maestría en informática biomédica en el Perú*". *Rev Peru Med Exp Salud Publica*. 2015; 32(2):356–360.

2011 Blas, M.M.; Curioso, W.H.; Garcia, P.J.; Zimic, M.; Carcamo, C.P.; Castagnetto, J.M.; Lescano, A.G.; Lopez, D.M. "*Training the biomedical informatics workforce in Latin America: results of a needs assessment.*" *BMJ Open*. 2011; 1(2):e000233. DOI: `10.1136/bmjopen-2011-000233`.

2010 Curioso, W.H.; Roman, H.; Perez-Lu, J.; Castagnetto, J.M.; García, P.J. "*Mejorando los sistemas de información en salud materna: validación de historias clínicas electrónicas en el Callao, Perú [Improving maternal health information systems: validation of electronic medical records in Callao, Peru]*". *Rev Peru Med Exp Salud Publica*. 2010; 27(3):487–489.

2009 Kimball, A.M.; Curioso, W.H.; Arima, Y.; Fuller, S.; Garcia, P.J.; Segovia-Juarez, J.; Castagnetto, J.M.; Leon-Velarde, F.; Holmes, K.K. "*Developing capacity in health informatics in a resource poor setting: lessons from Peru.*" *Hum Resour Health*. 2009; 7:80. DOI: `10.1186/1478-4491-7-80`.

——— Curioso, W.H.; Peinado, J.; Rubio, C.F.; Lazo-Escalante, M.; Castagnetto, J.M. "*Biomedical and health informatics in Peru: significance for public health.*" *Health Info Libr J*. 2009; 26(3):246–251. DOI: `10.1111/j.1471-1842.2009.00857.x`.

2008 Bernabe-Ortiz, A.; Curioso, W.H.; Gonzales, M.A.; Evangelista, W.; Castagnetto, J.M.; Carcamo, C.P.; Hughes, J.P.; Garcia, P.J.; Garnett, G.P.; Holmes, K.K. "*Handheld computers for self-administered sensitive data collection: a comparative study in Peru.*" *BMC Med Inform Decis Mak*. 2008; 8:11. DOI: `10.1186/1472-6947-8-11`.

2007 Curioso, W.H.; Kimball, A.M.; Garcia, P.J.; Segovia-Juarez, J.; Castagnetto, J.M.; Fuller, S. "*Training biomedical and health informatics professionals in Peru: towards the development of the first graduate diploma program in the country.*" *AMIA Annu Symp Proc*. 2007; p. 921. PMID: 18694021.

2005 Rouse, R.J.D.; Castagnetto, J.; Niedner, R.H. "*PatGen–a consolidated resource for searching genetic patent sequences.*" *Bioinformatics*. 2005; 21(8):1707–1708. DOI: `10.1093/bioinformatics/bti202`. PMID: 15728120.

2003 Fee, J.A.; Castagnetto, J.M.; Case, D.A.; Noodleman, L.; Stout, C.D.; Torres, R.A. "*The circumsphere as a tool to assess distortion in [4Fe-4S] atom clusters.*" *J Biol Inorg Chem*. 2003; 8(5):519–526. DOI: `10.1007/s00775-003-0445-8`.

2002 Castagnetto, J.M.; Hennessy, S.W.; Roberts, V.A.; Getzoff, E.D.; Tainer, J.A.; Pique, M.E. "*MDB: the Metalloprotein Database and Browser at The Scripps Research Institute.*" *Nucleic Acids Res*. 2002; 30(1):379–382. PMID: 11752342.

1999 Castagnetto, J.M.; Hennessy, S.W.; Pique, M.; Getzoff, E.D.; Tainer, J.A. "*The metalloprotein site database and browser*". *J. Inorg. Biochem*. 1999; 74(1-4):90.

1998 CANARY, J.W.; ALLEN, C.S.; CASTAGNETTO, J.M.; CHIU, Y.H.; TOSCANO, P.J.; WANG, Y. "*Solid state and solution characterization of chiral, conformationally mobile tripodal ligands*". Inorganic Chemistry. 1998; 37(24):6255–6262.

—— CANARY, J.W.; ALLEN, C.S.; CASTAGNETTO, J.M.; CHUANG, C.L.; LAJMI, A.R.; DOS SANTOS, O.; XU, X. "*Tripodal Coordination Complexes as Scaffolds for Molecular Recognition and Catalysis*". In A.W. Coleman (ed.), "Proceedings of the Ninth International Symposium on Molecular Recognition and Inclusion", Kluwer Academic Publishers, Dordrecht, The Netherlands. 1998; pp. 179–184.

—— CASTAGNETTO, J.M. CANARY, J.W. "*A chiroptically enhanced fluorescent chemosensor*". Chemical Communications. 1998; (2):203–204.

1997 CASTAGNETTO, J.M.; XU, X.; BEROVA, N.D.; CANARY, J.W. "*Absolute configurational assignment of self-organizing asymmetric tripodal ligand-metal complexes.*" Chirality. 1997; 9(5-6):616–622. DOI: `10.1002/(SICI)1520-636X(1997)9:5/6<616::AID-CHIR32>3.0.CO;2-P`. PMID: 9329182.

1996 CASTAGNETTO, J.M. CANARY, J.W. "*Dynamic Control of Topological Asymmetry*". In H.S. Rzepa J. Snyder (eds.), "Electronic Conference on Heterocyclic Chemistry (ECHET96)", Royal Society of Chemistry publications. 1996; .

1995 CANARY, J.W.; ALLEN, C.S.; CASTAGNETTO, J.M.; WANG, Y. "*Conformationally driven, propeller-like chirality in labile coordination complexes*". Journal of the American Chemical Society. 1995; 117(32):8484–8485.

—— CANARY, J.W.; XU, J.; CASTAGNETTO, J.M.; RENTZEPERIS, D.; MARKY, L.A. "*Enthalpic Control of Zinc-Water Acidity in Complexes of Tris (2-aminoethyl) amine and Tris (2-(dimethylamino) ethyl) amine*". Journal of the American Chemical Society. 1995; 117(46):11545–11547.

—— XU, J.; CASTAGNETTO, J.M.; RENTZEPERIS, D.; MARKY, L.M.; CANARY, J.W. "*Thermodynamic Studies of the Deprotonation of Coordinated Water in Zinc Complexes of Tris(2-aminoethyl)amine and Tris(2-dimethylaminoethyl)amine*". J. Am. Chem. Soc. 1995; 117(46):11545–11547.

--- Non peer-reviewed articles

2003 CASTAGNETTO, J.M. "*Grokking Stats. Descriptive Stats - a quick tour, their foundations, use and limitations*". PHP Magazine - International Edition. 2003; (5):64–69.

2000 CASTAGNETTO, J.M. "*XML and PHP. Part 1: Using the WDDX functions*". PHPBuilder.com. 2000. Published on: 2000/04/02.

1999 CASTAGNETTO, J.M. "*Processing Variables and Database Connectivity with PHP3*". ASPToday.com. 1999. Published on: 1999/09/03.

—— CASTAGNETTO, J.M. "*Generating pronouceable passwords*". PHPBuilder.com. 1999. Published on: 1999/05/02.

—— CASTAGNETTO, J.M. "*PHP: An Introduction*". ASPToday.com. 1999. Published on: 1999/05/13.

—— CASTAGNETTO, J.M. "*So you want to use a database in your site?*" PHPBuilder.com. 1999. Published on: 1999/03/08.

--- Presentations at Conferences, Workshops, etc.

2021 CASTAGNETTO, J.M. "*Ciencia de Datos y Visualización*". Universidad Peruana Unión, Perú, 2021-11-24.

2020 CASTAGNETTO, J.M. "*Ciencia de Datos y Visualización* (Charlas sobre COVID-19, Medicina)". Universidad Peruana Cayetano Heredia, Lima, Perú, 2020-07-20.

2019 CASTAGNETTO, J.M. "*El Universo de R*". VI Foro de Transformación del Estado, UTEC Lima, Perú, 2019-09-26.

2017 CASTAGNETTO, J.M. "*Big Data y Machine Learning: Conceptos Generales y Ejemplos en Ciencia Ambiental*". Universidad Nacional de Ingeniería, Lima, Perú, 2017-06-09.

—— CASTAGNETTO, J.M. "*¿Cómo usar, analizar y visualizar Big Data?*" Universidad Peruana Cayetano Heredia, Lima, Perú, 2017-05-20.

—— CASTAGNETTO, J.M. "*¿Cómo desarrollar seguridad en mi sistema de información?*" Universidad Peruana Cayetano Heredia, Lima, Perú, 2017-05-06.

2012 CASTAGNETTO, J.M. "*Taller en Metodologías Ágiles de Manejo de Proyectos en Software: SCRUM*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-05-12.

—— CASTAGNETTO, J.M. "*Taller en Sistemas Distribuídos: Clusters, Grids y Clouds*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-05-05.

—— CASTAGNETTO, J.M. "*Taller en Introducción a la Programación en PHP*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-04-28.

—— CASTAGNETTO, J.M. "*Taller en Introducción a la Programación en Python*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-04-21.

2011 CASTAGNETTO, J.M. "*Trabajando con git: gitflow, indefero y github*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-11-11.

—— CASTAGNETTO, J.M. "*Introducción a git como sistema de control de versiones distribuído*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-11-10.

—— CASTAGNETTO, J.M. "*Introducción al Manejo de Proyectos de Software*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-01-28.

—— CASTAGNETTO, J.M. "*Conceptos Básicos de Programación: Parte 2 – Diseño de Programas y Ejemplos Prácticos usando Python*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-01-27.

—— CASTAGNETTO, J.M. "*Seguridad y Protección de Datos en Salud*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-01-27.

—— CASTAGNETTO, J.M. "*Clusters, Grids y Clouds: Uso e Impacto de Cómputo Distribuido en Informática Biomédica y Bioinformática*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-01-25.

—— CASTAGNETTO, J.M. "*Conceptos Básicos de Programación: Parte 1 – Conceptos Generales e Introducción a Python*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-01-25.

—— CASTAGNETTO, J.M. "*Influencia de Software Libre y Acceso Abierto en la Investigación Biomédica*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-01-25.

2010 CASTAGNETTO, J.M. "*Sistemas Distribuídos en Bioinformática*". XXV Congreso Peruano de Química, Lima, Perú, 2010-10-14.

—— CASTAGNETTO, J.M. "*Clusters, Grids y Clouds: Uso e Impacto de Cómputo Distribuido en Bioinformática*". Curso Corto en Tópicos Selectos en Bioinformática, Universidad Peruana Cayetano Heredia, Lima, Perú, 2010-03-29/2010-03-30.

—— CASTAGNETTO, J.M. "*Creando una AOS con PHP: Patrones de Diseño de Servicios Web*". Linux Week 2010 (PUCP), Lima, Perú, 2010-03-15/2010-03-19.

2009 CASTAGNETTO, J.M. "*La Química y sus Nuevas Áreas de Investigación*". UPCH, Lima, Perú, 2009-09-10.

—— CASTAGNETTO, J.M. "*Depuración y Pruebas*". IV Aniversario de COSOLIG, Lima, Perú, 2009-08-15.

—— CASTAGNETTO, J.M. "*Buenas Prácticas de Programación en PHP*". PHP Perú, Lima, Perú, 2009-02-07.

2008 CASTAGNETTO, J.M. "*PHP: Un Ecosistema de Comunidades*". Experiencias con Software Libre, UPCH, Lima, Perú, 2008-12-20.

—— CASTAGNETTO, J.M. "*Servicios Web en Bioinformática*". CONTITEL 2008, Puno, Perú, 2008-11-19. (videoconference).

—— CASTAGNETTO, J.M. "*Buenas Prácticas de Programación en PHP*". Universidad Privada del Norte, Trujillo, Perú, 2008-11-14.

—— CASTAGNETTO, J.M. "*Nuevas Areas de Investigación en Química: Química Supramolecular, Química Computacional, Bioinformática*". XVIII COCIPEFYB, Trujillo, Perú, 2008-11-09/2008-11-16.

—— CASTAGNETTO, J.M. "*Influencia del Software Libre y Acceso Abierto en la Investigación Biomédica*". FESOLI 2008, Lima, Perú, 2008-11-08.

—— CASTAGNETTO, J.M. "*Construyendo una AOS con PHP: Patrones de Diseño de Servicios Web en PHP*". Latinoware 2008, Foz do Iguaçu PR/Brasil, 2008-10-30/2008-11-01.

—— CASTAGNETTO, J.M. "*Manteniendo la casa limpia: Probando y depurando aplicativos en PHP*". Latinoware 2008, Foz do Iguaçu PR/Brasil, 2008-10-30/2008-11-01.

—— CASTAGNETTO, J.M. "*Buenas Prácticas de Programación – Sistemas para el Control de Versiones de Código*". XV CONEIMERA, Puno, Perú, 2008-09-30. (videoconference).

—— CASTAGNETTO, J.M. "*Química Computacional*". XLVII Aniversario de la Universidad Peruana Cayetano Heredia, Lima, Perú, 2008-09-25.

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