

Alain Touwaide
Curriculum Vitae - November 2018

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1. PERSONAL DATA

Citizenship

Belgium and USA

Modern languages

mother-tongue

French

fluent

English, Italian, Spanish

working knowledge

Dutch, German, Greek (modern), Portuguese

Ancient languages

Greek

classical, Hellenistic, Byzantine, Post-Byzantine

Latin

classical, medieval, Renaissance

Arabic

classical

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2. EDUCATION

University of Louvain (Belgium)

- 1971-75 BA, Classics, *summa cum laude*.
- 1973-75 Master, Pedagogy (Classics), *summa cum laude*.
- 1975-76 Linguistics (1st cycle), *magna cum laude*.
- 1975-79 Master, Oriental Philology and History (Byzantium and the Arabic World), *summa cum laude*.
- 1981 PhD, Philosophy and Letters-Classics, *summa cum laude*.

University of Toulouse (France)

- 1997 Habilitation à diriger des recherches: History, Ancient and Medieval, mention “Très honorable” with unanimity of the Committee.

3. ACADEMIC AND RESEARCH APPOINTMENTS

a) Major long term appointments

- 2018- Program Director, UCLA-Huntington Medical Humanities and Ethnobotany Initiative, UCLA (USA).
- 2016- Scholar in Residence, History of Medicine, Botany Center, The Huntington (USA).
- 2011-16 Research Associate, Smithsonian Institution (USA).
- 2007-10 Historian of Sciences, Smithsonian Institution (USA).
- 2007- Scientific Director, Institute for the Preservation of Medical Traditions (USA).
- 2005-07 Scientific Program Administrator, Smithsonian Institution (USA).
- 2002-04 Research Associate, Smithsonian Institution (USA).
- 2002-03 Scholar in Residence, National Library of Medicine (USA).
- 2000-01 Rockefeller Foundation Fellow, University of Oklahoma (USA).
- 1999-00 Fellow, Dumbarton Oaks Center for Byzantine Studies (USA).
- 1999-01 Research Fellow, National Foundation for Scientific Research (Spain).
- 1997-98 Visiting Research Professor, National Foundation for Scientific Research (Spain).
- 1995-97 Research Associate, Italian Institute for Philosophical Studies (Italy).
- 1993-94 Visiting Research Professor, University of Barcelona (Spain).
- 1992-93 Associate Professor, University of Nice (France).
- 1989-90 Visiting Professor, University of Provence (France).
- 1986-88 Editorial Director, L’Edition Electronique Internationale (Belgium).
- 1983-85 Senior Research Assistant, National Foundation for Scientific Research (Belgium).
- 1982-83 Research Assistant, University of Louvain (Belgium).
- 1977-82 Junior Research Assistant, National Foundation for Scientific Research (Belgium).

b) Major short-term appointments (less than one year)

- 2016-18 Visiting Professor, History of Ancient Medicine, UCLA (USA).
- 2016 Onassis Foundation International Fellow, National Hellenic Research Foundation (Greece).
- 2015-16 Visiting Professor, History of Medicine, UCLA (USA).

- 2015 Historian of Science in Residence, The Huntington, San Marino (USA).
 2014-15 Visiting Professor, University of Messina (Italy).
 2012-13 Research Fellow, Institute of Advanced Study, Royal Academy (Belgium).
 Senior Visiting Associate, American School of Classical Studies (Greece).
 2011-12 Visiting Professor, University Paris VII (France).
 2010-11 Visiting Professor, University of Victoria, BC (Canada).
 2009-10 Visiting Professor, University of Messina (Italy).
 2008-09 Lansdowne Visiting Professor, University of Victoria, BC (Canada).
 2001-02 Special Research Fellow, College of Physicians of Philadelphia (USA).
 Research Fellow, College of Physicians of Philadelphia (USA).
 Fellow, Chemical Heritage Foundation, Philadelphia (USA).
 Visiting Professor, New Jersey Scholars Program, Lawrenceville (USA).
 1999-00 Visiting Professor, New Jersey Scholars Program, Lawrenceville (USA).
 1998-99 Research Associate, National Center for Scientific Research (CNRS) (France).
 1997 Fellow, Wellcome Institute for the History of Medicine, London (UK).
 1993-94 Visiting Professor, University of Provence (France).

4. RECENT FUNDING

Activity over the years 2000-2010 has been funded by (alphabetical order of funding organizations' name):

- Earthwatch Institute, Boston MA (USD 350,000)
- Harvard University, Dumbarton Oaks Center for Byzantine Studies, Washington DC (USD 50,000)
- Hunt Institute for Botanical Documentation, Carnegie Mellon University, Pittsburgh PA (USD 20,000)
- Ministry of Public Instruction, Universities and Research (Italy) (USD 50,000)
- National Institutes of Health (NIH), National Center for Complementary and Alternative Medicine (NCCAM) (USD 1,350,000)
- National Institutes of Health (NIH), National Library of Medicine (NLM) (USD 45,000)
- Onassis Foundation, Athens (Greece) (Euros 10,000)
- Rockefeller Foundation/University of Oklahoma, Department of History of Science, Norman OK (USD 50,000)
- Smithsonian Institution (USD 25,000)
- Smithsonian Women's Committee (USD 20,000)

5. LIBRARY RESEARCH STAYS

Extended stays (often repeated over the years) or regular visits to the following libraries to collect data from primary sources (manuscripts and rare books) and secondary literature in (alphabetical order of city name): **Antissa** (GR), Monê Ypsilou; **Athens** (GR), American School of Classical Studies-Blegen Library, Athênôn Akadêmia, Bibliothêkê tês Boulês, Buzantinon kai Christianon Mouseion, Ethnikê Bibliothêkê, Ethnikon kai Istorikon Mouseion, Ethnikon kai Kapodistrian Panepistêmion, Gennadius Library, Genika Archeia tou Kratous, MIET, and Mouseion Benaki; **Athos (Mt -)** (GR), Megisti Lavra, and Simonopetras; **Baltimore**, MD (USA), Walters Art Gallery; **Barcelona** (SP), Biblioteca de Catalunya; **Berlin** (DE), Aristoteles Archiv, BSB-PKB; **Beroia** (GR), Dêmosia Bibliothêkê; **Bethesda**, MD (USA), National Library of Medicine; **Birmingham**, AL (USA), Reynolds Library; **Bologna** (IT), Biblioteca universitaria; **Bordeaux** (FR), Jardin

botanique, and Société Linnéenne; **Boston**, MA (USA), Fine Arts Museum; **Bruxelles** (BE), Bibliothèque royale; **Cambridge**, MA (USA), Harvard University Fogg Art Museum, and Widener Library; **Chicago**, IL (USA), Newberry Library; **Chortiatis** (GR), Agiou Geôrgiou Ekklesiá; **Città del Vaticano** (IT), Biblioteca Apostolica Vaticana; **Cleveland**, OH (USA), Dittrick Medical Library; **El Escorial** (SP), Biblioteca del Monasterio; **Firenze** (IT), Biblioteca Medicea Laurenziana, Biblioteca Nazionale, and Biblioteca Riccardiana; **Göttingen** (DE), Seminar für Arabistik; **Istanbul** (TK), Süleymaniye Kütüphanesi, and Topkapi Sarayı; **Ithômi** (GR), Monê Boulkanou; **Kalloni** (GR), Monê Leimônos; **Kansas City**, KS (USA), Clendening Library; **Konya** (TK), Konya Yazmalar Kütüphanesi; **Koronê** (GR), Bibliothêkê tês Monês; **Kozanê** (GR), Dêmotikê Bibliothêkê; **Lawrence**, KS (USA), Spencer Library; **Leiden** (NL), Universiteitsbibliothek; **London** (UK), British Library, Linnean Society, Museum of Mankind, and Wellcome Library; **Los Angeles**, CA (USA), Louise M. Darling Biomedical Library; **Madrid** (SP), Biblioteca Nacional; **Meleai** (GR), Dêmotikê Bibliothêkê; **Messina** (IT), Biblioteca Regionale e Universitaria; **Milano** (IT), Biblioteca Ambrosiana, and Biblioteca del Capitolo Metropolitano; **Mitylini** (GR), 1^o Lykeio; **Modena** (IT), Biblioteca Estense e Universitaria; **München** (DE), Bayerische Staatsbibliothek; **Napoli** (IT) Biblioteca dei Gerolamini, and Biblioteca Nazionale Vittorio Emanuele; **New Haven**, CT (USA), Beinecke Library, and Cushing/Whitney Medical Library; **Norman**, OK (USA), History of Science Collection; **Oxford** (UK), Bodleian Library; **Padova** (IT), Biblioteca dell'Orto Botanico, Biblioteca comunale, and Biblioteca del Seminario Vescovile; **Palermo** (IT), Biblioteca Nazionale; **Paris** (FR), Bibliothèque Mazarine, Bibliothèque nationale, Bibliothèque Ste Geneviève, Institut d'Etudes Byzantines, Institut d'Etudes Neogreques/Sorbonne, and Institute National des Beaux-Arts; **Parma** (IT), Biblioteca Palatina; **Patmos** (GR), Monê Agiou Ioannou; **Philadelphia**, PA (USA), Chemical Heritage Foundation, and College of Physicians; **Pittsburgh**, PA (USA), Hunt Institute for Botanical Documentation; **Prague** (CZ), Narodni Knihovna; **Roma** (IT), Biblioteca Angelica, Biblioteca Casanatense, Biblioteca Corsiniana, Biblioteca Nazionale Centrale, and Biblioteca Vallicellana; **Salamanca** (SP), Biblioteca Universitaria; **Samos** (GR), Métropolê; **San Marino**, CA (USA), Huntington Library; **St. Louis**, MO (USA), Pius XII Library; **Thessalonikê** (GR), Aristoteleion Panepistêmion, and Monê Blatadôn; **Venice** (IT), Biblioteca Nazionale Marciana; **Washington**, DC (USA), Dumbarton Oaks, Folger Library, Library of Congress, and Smithsonian Institution; **Wien** (AU), Österreichische Nationalbibliothek; **Wolfenbüttel** (DE), Herzog August Bibliothek; **Zagora** (GR), Dêmotikê Istorikê Bibliothêkê.

6. PUBLICATIONS (selection)

a) Books (including co-authored, edited and co-edited books)

Books

A. Touwaide, *A Census of Greek Medical Manuscripts. From Byzantium to the Renaissance* (Medicine in the Medieval Mediterranean 6). London: Routledge, 2016.

A. Touwaide, *Tractatus de herbis*. Facsimile edition of manuscript Sloane 4016, London, British Library. Barcelona: Moleiro Editorial, 2013.

A. Touwaide, *La tossicologia a Bisanzio nel X secolo - Il codice parigino di Nicandro*. Milan: ANTEA Edizioni, 1993.

A. Touwaide, *Farmacopea Araba Medievale - Codice Ayasofia 3703*, 4 vols. Milan: ANTEA Edizioni, 1992-93.

Co-authored books

A. Touwaide, D. König, C. Miranda García-Tejedor, *Tacuinum sanitatis*. Facsimile edition of the manuscript latinus 9333 of the Bibliothèque nationale de France, Paris, with a volume of study. Barcelona: Moleiro Editorial, 2 vols., 2009

G. Aliotta, D. Piomelli, A. Pollio and A. Touwaide, *Le piante medicinali del «Corpus Hippocraticum»* (Collection Hippocratica Civitas 5). Milan: Guerini and Associati, 2003.

A. Touwaide, N. G. De Santo, G. Bellinghieri and V. Savica, *Healing Renal Diseases in antiquity. Plants from Dioscorides' De materia medica with illustrations from Greek and Arabic Manuscripts [A.D. 512 - 15th cent.]*. Cosenza: EdBios, 2000.

2nd edition: A. Touwaide, N. G. De Santo, G. Bellinghieri and V. Savica, *Healing Kidney Diseases in Antiquity. Plants from Dioscorides' De materia medica with illustrations from Greek and Arabic Manuscripts [A.D. 512 - 15th cent.]*. Cosenza: EdBios, 2002.

M. Giancaspro, G. Cavallo and A. Touwaide, *Dioscorides De materia medica. Codex Neapolitanus graecus 1 of the National Library of Naples. Fac-simile reproduction of the manuscript with introductory texts*, 2 vols. Athens: Militos Editions, 1999.

A. Touwaide, *Nicandro, «Thêriaka» y «Alexipharmaka»*. Reproducción del manuscrito Paris, Bibliothèque Nationale, *Supplementum graecum 247*, con introducción y traducción del texto, 2 vols., Barcelona: Moleiro Editorial, 1998 (includes a chapter by C. Förstel and another by G. Azlanov).

P. Julien, F. Ledermann and A. Touwaide, *Cosma e Damiano. Dal culto popolare alla protezione di chirurghi, medici e farmacisti. Aspetti e immagini*. Milan: ANTEA Edizioni, 1993.

Edition of a series

A. Touwaide (ed.), *Medicine in the Medieval Mediterranean. Texts and Studies*. Until 2015 Farnham (UK): Ashgate; from 2016: London and New York: Routledge, 8 vols. published:

S. Kyle, *Medicine and Humanism in Late Medieval Italy. The Carrara Herbal in Padua*, 2016.

D. Bennett, *Medicine and Pharmacy in Byzantium. A Study of the Extant Formularies*, 2016.

A. Touwaide, *A Census of Greek Medical Manuscripts. From Byzantium to the Renaissance*, 2016.

F. Navarro Sánchez, *Peter of Spain, Questiones super libro 'De Animalibus' Aristotelis. Critical Edition with Introduction*, 2015.

A. Van Arsdall and T. Graham (eds.), *Herbs and Healers from the Ancient Mediterranean through the Medieval West. Essays in Honor of John M. Riddle*, 2012.

G. Cooper, *Galen, De diebus decretoriis, from Greek into Arabic. A Critical Edition, with Translation and Commentary of Hunayn ibn Ishaq, Kitab ayyam al-bubran*, 2011 (second, paperback edition 2016).

P. Clark, *A Cretan Healer's Handbook in the Byzantine Tradition. Text, Translation and Commentary*, 2011.

Chr. Bourbou, *Health and Disease in Byzantine Crete (7th - 12th Centuries AD)*, 2010.

Edited volumes/collections of essays

A. Touwaide (ed.), *Moving Plants, Transforming Medicine*, Special issue of *Medicina nei Secoli*, in press.

A. Touwaide (ed.), *Printing Greek Medicine in the Renaissance. Scholars, Collections, Opportunities and Challenges*, Special Issue of *Early Science and Medicine* 17 (2012), pp. 371-485.

A. Touwaide (ed.), *Indigenous vs. Foreign: Early-Modern Materia Medica in Comparative Perspective*, Special Issue of *Early Science and Medicine* 14 (2009), pp. 677-788.

A. Touwaide (ed.), *Tacuinum sanitatis*. Facsimile edition of manuscript Bibliothèque Nationale de France, Paris, *latinus* 9333, 2 vols. Barcelona: Moleiro Editorial, 2009.

A. Touwaide (ed.), *Herbolarium et materia medica (Biblioteca Statale de Lucca, ms. 296)*, 2 vols. Madrid: Arte y Naturaleza Ediciones, and Lucca: Biblioteca Statale di Lucca. 2007.

Co-edited volumes/collections of essays

P. Dendle and A. Touwaide (eds.), *Health and Healing from the Medieval Garden. Proceedings of the 15th Annual Medieval Studies Conference at The Pennsylvania State University*. Woodbridge: Boydell and Brewer, 2008.

Second (paperback) edition, 2015.

J. A. Givens, K. M. Reeds and A. Touwaide (eds.), *Visualizing Medieval Medicine and Natural History, 1200-1550 (AVISTA Studies in the History of Medieval Technology, Science and Art, 5)*. Aldershot: Ashgate, 2006.

L. R. Angeletti and A. Touwaide (eds.), *Medicine in Byzantium (10th c. - 1453)*, 2 vols. Rome: Delfino Editore, 2000 (monographic issues of *Medicina nei Secoli*).

L. R. Angeletti and A. Touwaide (eds.), *History of Arabic Medicine*, 2 vols. Rome: Delfino Editore, 1994-95 (monographic issues of *Medicina nei Secoli*).

b) Chapters, articles, and encyclopedia entries, authored and co-authored¹

- * “Achilleus archiateros”, “Hierophilos”, “Ioannes von Alexandria”, “Ioannes Archiateros”, “Ioannes Grammatikos”, “Kassios iastrosophistes”, “Magistrianos”, “Mercurios Monachos”, “Palladios”, and “Theodorus Priscianus”, in M. Grünbart and A. Riehle (eds.), *Lexikon der byzantinischen Autoren*. Vienna: AkademieVerlag, 10 pp., accepted for publication.
- * “Medicine”, and “Botany”, in S. Lazaris (ed.), *Companion to Byzantine Science*. Leiden and Boston: Brill, 45 and 72 pp., respectively, in press.
- * “Scienza araba” and “Scienza bizantina”, in P. Colace et al. (eds), *Dizionario delle Scienze e delle Tecniche di Grecia e Roma, III. La tradizione classica fino all’età moderna*, Pisa and Roma: Fabrizio Serra, 46 pp. total, in press.
- * “Dioscorides”, “Leonhard Fuchs and Herbals”, “Galen”, “Hippocrates”, “Leoniceno” and “Pietro Andrea Mattioli”, in M. Sgarbi (ed.), *Encyclopedia of Renaissance Philosophy*, to be published by Springer, Heidelberg, 25 pp. total, in press.
- * A. Touwaide and C. Bourbou, “A Glass a Day Keeps the Doctor Away? Rise and Decline of Wine in Medicine from Antiquity to the Middle-Byzantine Period”, in S. Fox (ed.). *Wine Confessions: Production, Trade and Social Significance of Wine in Ancient Greece and Cyprus. Proceedings of the 1st International Conference Wine in Ancient Greece and Cyprus* (Hesperia-American School of Classical Studies at Athens-Occasional Wiener Laboratory Series). Athens: American School of Classical Studies, 28 pp., in press.
- * E. Yarnell and A. Touwaide, “Accuracy of Dioscorides, De materia medica (1st century C.E.) regarding Diuretic Activity of Plants”, *Journal of Alternative and Complementary Medicine*, 14 pp., in press.
- * “The Alchemical Manuscript Tradition. An Overview”, in Efthymios Nicolaidis (ed.), *Greek Alchemy from Late Antiquity to Early Modernity* (De Diversis Artibus. Collection de travaux de l’Académie Internationale d’Histoire des Sciences 104/NS 67). Turnhout: Brepols, 2018, pp. 41-54.
- * A. Touwaide and E. Appetiti, “Searching for Chinese Medicinal Plants in Greek Classical Medicine: A First Approach”, *Chinese Medicine and Culture* 1 (2018), pp. 40-45.
- * “Towards a Catalogue of Greek Medical Manuscripts”, in P. Degni, P. Eleuteri, and M. Maniaci (eds), *Greek Manuscript Cataloguing: Past, Present, and Future* (Bibliologia. Elementa ad librorum studia pertinentia 47). Turnhout: Brepols, 2018, pp. 111-118.
- * “Renaissance Herbalism. The Perils of Humanism”, *Mefisto* 2 (2017), pp. 1-18.
- * “Bottled Gardens. Capturing Scents for Health”, in D. Fairchild Ruggles (ed.), *Sound and Scent in the Garden*. Washington, Dc: Dumbarton Oaks, 2016, pp. 77-91.

¹ Peer-reviewed publications are marked with an asterisk (*).

- * “Agents and Agencies? The Many Facets of Translation in Byzantine Medicine”, in F. Wallis and R. Wisnovsky (eds), *Medieval Textual Cultures: Agents of Transmission, Translation and Transformation* (Judaism, Christianity, and Islam—Tension, Transmission, Transformation? Series). Berlin: De Gruyter, 2016, pp. 13-38.
- * “The Alchemical Manuscript Tradition. An Overview”, in G. Katsiampoura (ed.), *Issues on Greek Alchemy*. Athens: National Hellenic Research Foundation, 2015, pp. 6-23.
- * “Medicine”, in A. Classen (ed.), *Handbook of Medieval Culture. Fundamental Aspects and Conditions of the European Middle Ages*, 3 vols. Berlin and New York: Walter de Gruyter, 2015, vol. 2, pp. 954-998.
- * A. Touwaide and E. Appetiti, “Food and Medicines in the Mediterranean Tradition. A Systematic Analysis of the Earliest Extant Body of Textual Evidence”, *Journal of Ethnopharmacology* 167 (2015), pp. 11-29.
- * “Al-Ghâfiqî’s *Kitâb fî l-adwiyâ al-mufrada*, Dioscorides’ *De materia medica* and Mediterranean Herbal Traditions”, in Jamil Ragep, Faith Wallis, Pamela Miller, and Adam Gacek (eds.). *The Herbal of al-Ghâfiqî. A Facsimile Edition of MS 7508 in the Osler Library of the History of Medicine, McGill University, with Critical Essays*. Montreal and Kingston: McGill-Queen’s University Press, 2014, pp. 84-120.
- * “Collecting Books, Acquiring Medicines. Knowledge acquisition in Galen’s Therapeutics”, in C.K. Rothschild and T.W. Thompson (eds.), *Galen’s De indolentia. Essays on a Newly Discovered Letter* (Studies and Texts in Antiquity and Christianity), Tübingen: Mohr Siebeck, 2014, pp. 79-88.
- * In P. Wexler (ed.), *History of Toxicology and Environmental Health. Toxicology in Antiquity*, 2 vols. New York: Elsevier
 - (vol. 1, pp. 44-51) “Nicander, *Thêriaka*, and *Alexipharmaka*: Venoms, Poisons, and Literature”;
 - (vol. 1, pp. 60-68) “Botanicals with Toxic Properties”;
 - (vol. 2, pp. 1-8) “Murder, Execution, and Suicide in Ancient Greece and Rome”.
- * O. Arihan, S. Karaöz Arihan, and A. Touwaide, “The Case Against Socrates and His Execution”, in P. Wexler (ed.), *History of Toxicology and Environmental Health*, vol. I: Toxicology in Antiquity. New York: Elsevier, pp. 69-82.
- * A. Hayes and A. Touwaide, “Toxicology, The History”, in P. Wexler (ed.), *Encyclopedia of Toxicology*, 3rd Edition. Oxford: Elsevier, 2014, vol. 4, pp. 731-745.
- * “Compound Medicines in Antiquity. A First Approach”, in D. Michaelidis (ed.). *Medicine in the Ancient Mediterranean*. Oxford: Oxbow Books, 2014, pp. 167-184.
- * “Translation. A Case Study in Byzantine Science”, *Medievalia* 16 (2013), pp. 165-170.
- * A. Touwaide and E. Appetiti, “Knowledge of Eastern materia medica (Indian and Chinese) in pre-modern Mediterranean medical traditions: A study in comparative historical ethnopharmacology”, *Journal of Ethnopharmacology*, 148 (2013), pp. 361-378.

- * “Epidemiology and Treatment of Kidney Conditions in Antiquity”, in N.G. De Santo, B. Di Iorio, A. Diamandopoulos, G. Bellinghieri and B. Rutkowski (eds.), *History of Nephrology. Proceedings of the 8th Symposium of the International Association for the History of Nephrology, Olympia-Patras, September 11-14 2013* (Journal of Nephrology 26, Supplement 22 [November-December 2013]). Milan: Wichtig, 2013, pp. 175-179.
- “L’importanza di Dioscoride nel medioevo, con particolare riferimento al mondo arabo”, in *De materia medica. Il Dioscoride di Napoli. Ms. Ex-Vindobonense Greco 1 (sec. VI-VII)*, 2 volumes, Sansepolcro: Aboca, vol. 2, pp. 914-920.
- * “Arabic into Greek: The Rise of an International Lexicon of Medicine in the Medieval Eastern Mediterranean?”, in R. Winowsky, F. Wallis, J. Fumo, and C. Fraenkel (eds.), *Vehicles of Transmission, Translation, and Transformation in Medieval Textual Culture* (Cursor Mundi 4). Turnhout: Brepols, 2012, pp. 195-222.
- * “*Quid pro Quo*: Revisiting the Practice of Substitution in Ancient Pharmacy”, in A. Van Arsdall and T. Graham (eds.), *Herbs and Healing, from the Ancient Mediterranean through the Medieval West. Essays in Honor of John M. Riddle* (Medicine in the Medieval Mediterranean 4). Farnham: Ashgate, 2012, pp. 19-61.
- * In A. Classen (ed.), *Handbook of Medieval Studies. Terms, Methods, Trends*, 3 vols. Berlin and New York: Walter de Gruyter, 2010:
- (pp. 145-181) “Botany”;
 - (pp. 195-239) “Byzantine Science”;
 - (pp. 266-329) “Codicology and Paleography”;
 - (pp. 1056-1099) “Pharmacology, Pharmacy”;
 - (pp. 1368-1399) “Transfer of Knowledge and Translation”;
 - (pp. 1979-2000) “Pharmaceutical Literature”.
- * “History of Botany as Ethnobotany? Proposals Toward a New Approach to the Ancient Legacy”, in M. L. Pochettino, A. H. Ladio, and P. M. Arenas (eds.), *Traditions and Transformation in Ethnobotany-Tradiciones y Transformaciones en Etnobotánica-ICEB 2009*. San Salvador de Jujuy (Argentina): Red Iberoamericana de Saberes y Prácticas Locales sobre el Entorno Vegetal, 2010, pp. 55-63.
- * “Fluid Picture-Making across Borders, Genres, Media. Botanical Illustration from Byzantium to Baghdad, Ninth to Thirteenth Centuries”, in J. Anderson (ed.), *Crossing Cultures: Conflict, Migration, and Convergence. The Proceedings of the 32nd International Conference in the History of Art (Comité International d’Histoire de l’Art, CIHA), The University of Melbourne, 13-18 January 2008*. Carlton (Australia): the Miegunyah Press, 2009, pp. 159-163.
- * “Byzantine Medical Manuscripts: Towards a New Catalogue, with a Specimen for an Annotated Checklist of Manuscripts Based on an Index of Diels’ Catalogue”, *Byzantion*, 79 (2009), pp. 453-595.
- * “Translation and Transliteration. Plant Names in Hunayn ibn Ishaq’s and Istifan ibn Basil’s Arabic Version of Dioscorides, *De materia medica*”, *Al-Qantara*, 30 (2009), pp. 557-580.

- * A. Pollio, A. De Natale, E. Appetiti, G. Aliotta and A. Touwaide, “Continuity and Change in the Mediterranean Medical Tradition: *Ruta* spp. (Rutaceae) in Hippocratic Medicine and Present Practices”, *Journal of Ethnopharmacology*, 166 (2008), pp. 469-482.
- “Greek Medical Manuscripts - Toward a New Catalogue”, *Byzantinische Zeitschrift*, 101 (2008), pp. 199-208.
- * “Pietro d’Abano sui veleni. Tradizione medievale e fonti greche”, *Medicina nei Secoli*, 20 (2008), pp. 591-605.
- * “Botany and Humanism in the Renaissance: Background, Interaction, Contradictions”, in T. O’Malley and A. Meyers (eds.), *The Art and History of Botanical Painting and Natural History Treatises*. Washington, DC: The National Gallery of Art, 2008, pp. 33-61.
- * “Medicina Bizantina e Araba alla Corte di Palermo”, in N. G. De Santo e G. Bellinghieri (eds.), *Medicina, Scienza e Politica al Tempo di Federico II. Conferenza Internazionale, Castello Utveggiò, Palermo, 4-5 ottobre 2007*. Naples: Istituto Italiano per gli Studi Filosofici, 2008, pp. 39-55.
- * “Art and Sciences: Private Gardens and Botany in the Roman Empire”, in M. Conan and J. Kress (eds.), *Botanical Progress, Horticultural Innovation and Cultural Change* (Dumbarton Oaks Colloquium Series in the History of Landscape Architecture 28). Washington, DC: Dumbarton Oaks, 2007, pp. 37-49.
- “L’illustrazione botanica negli erbari a stampa del XV e XVI secolo: il programma di ricerca PLANT e il suo contributo all’analisi delle rappresentazioni di piante”, in M. Breccia Fratadocchi and S. Buttò (eds.), *I laboratori della salute*. Sansepolcro: Aboca Museum, 2007, pp. 111-116.
- * “Byzantine Hospitals Manuals (*Iatrosophia*) as a Source for the Study of Therapeutics”, in B. Bowers (ed.), *The Medieval Hospital and Medical Practice* (AVISTA Studies in the History of Medieval Technology, Science and Art, volume 3). Aldershot: Ashgate, 2007, pp. 147-173.
- * “Leoniceno, Niccolò”, “Pellicier, Guillaume”, in N. Koertge (ed.), *New Dictionary of Scientific Biography*. Farmington Hills, MI: Charles Scribner’s Sons, 2007, vol. 4, pp. 264-267, vol. 6, pp. 67-69.
- * “The development of Paleologan Renaissance. An analysis based on Dioscorides’ *De materia medica*”, in M. Cacouros and M.-H. Congourdeau (eds.), *Philosophie et sciences à Byzance de 1204 à 1453. Actes de la Table Ronde organisée au XXe Congrès International d’Etudes Byzantines (Paris, 2001)* (Orientalia Lovaniensia Analecta 146). Leuven, Paris and Dudley (MA): Peeters and Department Oosterse Studies Leuven, 2006, pp. 189-224.
- “Sambucus’ project for a critical edition of Dioscorides, *De materia medica*”, in *Proceedings of the 40th International Conference on the History of Medicine, August 26-30, 2006, Budapest-Hungary*. [Budapest: Societas Internationalis Historiae Medicinae], 2006, vol. 2, pp. 639-644.
- * M. Pardo-de-Santayana, J. Tardo, M. Heinrich, A. Touwaide and R. Morales. “Plants in the Works of Cervantes”, *Economic Botany*, 60(2) (2006), pp. 159-181.

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* “De la pratique populaire au savoir codifié: les étapes de la conceptualisation du *pharmakon* dans le monde grec antique”, in A. Rousselle (ed.), *Monde rural et histoire des sciences en Méditerranée. Du bon sens à la logique. Journée scientifique du Pôle universitaire européen, Centre de Recherches Historiques sur les Sociétés Méditerranéennes, Université de Perpignan, 23 novembre 1996* Collection Etudes). Perpignan: Presses de l’Université, 1998, pp. 81-105.

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* “Une note sur la thériaque attribuée à Galien. Contribution à l’étude de l’enseignement à Constantinople aux XIV^{ème} et XV^{ème} siècles”, *Byzantion*, 67 (1997), pp. 439-482.

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French translation: “L’école aristotélicienne et la naissance de la pharmacologie théorique dans la Grèce antique”, *La pharmacie au fil des siècles*. Basel: Editiones ROCHE, 1996, pp. 11-22.

German translation: “Die aristotelische Schule und die Entstehung der theoretischen Pharmakologie im alten Griechenland”, *Die Apotheke. Historische Streiflichter*. Basel: Editiones ROCHE, 1996, pp. 11-22.

Spanish translation: “La escuela aristotélica y el nacimiento de la farmacología teórica en la Grecia antigua”, *La farmacia. Impresiones históricas*. Basel: Editiones ROCHE, 1996, pp. 11-22.

* “Theoretical Concepts and Problems of Greek Pharmacology in Arabic Medicine: Reception and Re-elaboration”, *Forum*, 6, 1 (1996), pp. 21-39.

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* “Botanique et philologie: l’édition de Dioscoride de Kurt Sprengel”, in D. Gourevitch (ed.), *Médecins érudits de Coray à Sigerist. Actes du colloque de Saint-Julien-en-Beaujolais (juin 1994)*. Paris: De Boccard, 1995, pp. 25-44.

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French translation: “Stratégies thérapeutiques: les médicaments”, in M. D. Grmek (ed.), *Histoire de la pensée médicale occidentale*, vol. 1: Antiquité et moyen âge. Paris: Le Seuil, 1997, pp. 227-237.

German translation: “Heilkundliche Verfahren: die Arzneimittel”, in M. D. Grmek (ed.), *Die Geschichte des medizinischen Denkens. Antike und Mittelalter*. Munich: C. H. Beck, 1998, pp. 278-292 and 447-451.

English translation: “Therapeutic Strategies: Drugs”, in M. D. Grmek (ed.), *Western Medical Thought from Antiquity to the Middle Ages*. Cambridge (Mass.): Harvard University Press, 1999, pp. 259-272 and 390-394.

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* “Les poisons dans le monde antique et byzantin - Introduction à une étude systémique”, *Revue d’Histoire de la Pharmacie*, 290 (1991), pp. 265-281.

* “The *Corpus of Greek Medical Manuscripts: A Computerized Inventory and Catalogue*”, in *Primary Sources and Original Works*, 1 (1991), pp. 75-92.

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* “Un recueil grec de pharmacologie du X^e siècle illustré au XIV^e siècle: le *Vaticanus graecus 284*”, *Scriptorium*, 39 (1985), pp. 13-56, + pl. 6-8.

* “L’authenticité et l’origine des deux traités de toxicologie attribués à Dioscoride. I. Historique de la question. II. Apport de l’histoire du texte, *Janus*, 38 (1984), pp. 1-53.

* “Claude-Camille d’Albon, traducteur de Nicandre”, *Les Lettres Romanes*, 38 (1984), pp. 173-203.

* “Le sang de taureau”, *L’Antiquité Classique*, 48 (1979), pp. 5-14.

7. PRIZES, HONORARY AND ELECTIVE FELLOWSHIPS

a) Prizes

2014	Prize for Outstanding Contribution to History of Medicine, International Society for the History of Medicine.
2008	Medal for Outstanding Scientific Research, University of Messina (Italy).
2003	Award for Scientific Achievement in the Behavioral and Social Sciences, Washington Academy of Sciences (USA).

- 2000 First Prize, Royal Academy of Sciences, Letters and Fine Arts of Belgium, Class of Letters (Belgium).
- 1996 First Prize, Royal Academy of Medicine of Belgium, «De Jonckheere» Prize for the History of Medicine (Belgium).
- 1978 First Prize, Belgian Ministry of Scientific Research, National Contest for Travel Grants, Classics (Belgium).
- 1977 First prize, Belgian Ministry of Scientific Research, University Contest, Classics (Belgium).
Prize for the best Degree Thesis in Classics in Belgium (academic year 1975), Association “Belgium-Greece” (Belgium).

b) Honorary Fellowships

- 2012- Member, Honorary Advisory Board, Lloyd Library and Museum, Cincinnati, OH (USA)
Honorary Fellow, Academy for the History of the Healing Art, Rome (I)

c) Elective Fellowships

- 2014- Corresponding Fellow, International Academy for the History of Science.
- 2010- Overseas Fellow, Royal Society of Medicine (UK).
- 2008- Fellow, American Association for the Advancement of Science (AAAS), Section History and Philosophy of Science.
- 2006- Corresponding Fellow, Accademia Peloritana dei Pericolanti, Messina (Italy).
- 2004- Life Fellow, Washington Academy of Sciences (USA).
- 1997- Fellow, Linnean Society, London (UK).
- 1991- Life Fellow, International Academy for the History of Pharmacy.

8. PROFESSIONAL AND SCIENTIFIC SERVICE

a) Professional service

- 2016-20 Councilor, International Society for the History of Medicine.
- 2012-16 Vice-President, International Society for the History of Medicine.
- 2011-14 Vice-President, Toxicology History Association.
- 2009-12 Nominating Committee, Philosophy and History of Science, AAAS (USA).
- 2008-12 Vice-President, International Society for the History of Medicine.
- 2007-08 President, Washington Academy of Sciences (USA).
- 2006-08 Acting (September 2005-August 2006) and General Secretary (August 2006-September 2008), International Society for the History of Medicine.
- 2005-08 President, International Association for the History of Nephrology.
- 2004-07 Member at Large, Washington Academy of Sciences (USA).
- 2004-07 Councilor, International Association for the History of Medicine.
- 2003-07 Chair, History Committee, Washington Academy of Sciences (USA).
- 1991-95 Administrator, Belgian Society for the History of Medicine (Belgium).
- 1991-01 Chair of the Board, Foundation “Sciences et Lettres” (Belgium)
- 1988-01 Executive Director, Foundation “Sciences and Lettres” (Belgium).
- 1998-99 Member of the Board, International Association for the History of Dentistry.
- 1988-01 Founding member, Foundation “Sciences and Lettres” (Belgium).

- 1986-89 Curator, Collection «Albert Couvreur» of History of Pharmacy (Belgium).
- 1986-89 Secretary, Center for the History of Pharmacy and Therapeutics (Belgium).
- 1986-89 Administrator, Center for the History of Pharmacy and Therapeutics (Belgium).

b) Scientific boards and Scientific editorial committees

- 2014- Editorial Board, *Technai*.
Scientific Committee, *Medicina nei Secoli*.
- 2012-16 Editorial Board, *Medicina e Storia*.
- 2011- Editorial Board, *Acta Medico-Historica Adriatica*.
- 2011-13 Scientific Committee, 2013 Exhibition on Medicinal Plants, New York Botanic Garden, New York, NY (USA)
- 2010- Scientific Committee, Ghafiqi Project, McGill University (Canada).
- 2008- Advisory Committee, Medicinal plant exhibition, New York Botanical Garden (USA).
- 2006- Scientific Committee, *Scripta*.
- 2005- Section-Editor (History of Medicine and Natural Sciences), *Byzantinische Zeitschrift*.
- 2005- Series Director, *Medicine in the Medieval Mediterranean*.
- 2004-16 Associate Editor (History of Sciences), *Journal of the Washington Academy of Sciences*.
- 2004-12 Scientific Committee, *African Journal of Traditional, Complementary and Alternative Medicines*.
- 2001-03 Scientific Board, *Arabic Science and Philosophy*.

c) Prize Committees

- 2011-12 Chair, J. Worth Estes Prize in the History of Pharmacology.
- 2009-10 Member, J. Worth Estes Prize in the History of Pharmacology.
- 2008-16 Chair, Eva Kinne-Saffran Lecture, International Association for the History of Nephrology.
- 2006-08 Member (2006-07) and Chair (2008), Reingold Prize, History of Science Society (USA).
- 2005- Assessor, Prize Committee, International Society for the History of Medicine.

d) Direction of research and teaching programs

- 2005-10 Principal Investigator: *Medicinal Plants of Antiquity - A Computerized Database*.
- 2005-07 Principal Investigator: *Medicinal Plants of Antiquity* (renewal).
- 2002-05 Principal Investigator: *Medicinal Plants of Antiquity*.
- 2003- Principal Investigator: *Plantarum Aetatis Novae Tabulae*.
- 2003 Co-principal Investigator (with Dr D. Nicolson, Smithsonian Institution): *Renaissance Herbals*.
- 2001 Coordinator: European Master Program, Nephrology, Historical Section, 2nd University of Naples (Italy), Medical Faculty.
- 1986-88 Principal Investigator: creation of a collection of primary sources on the history of ancient medicine, University of Louvain (Belgium), Faculty of Letters, Department of Near-Eastern Studies.
- 1986-87 Co-principal Investigator: inventory and catalogue of the “Albert Couvreur” collection of ancient printed books on the history of pharmacy and medicine, University of Louvain (Belgium), Medical Faculty, School of Pharmacy.

e) Referee

Review of nominations, applications, monographs, and articles in the fields of the history of medicine and pharmacy, and history of botany.

Review of nominations and applications submitted to: Deutsche Forschungsgemeinschaft/German National Research Foundation; Fonds National de la Recherche Scientifique (Belgium); Irish Research Council for the Humanities and Social Sciences (Ireland); MacArthur Foundation, USA; Research Council of Canada, Social Sciences and Humanities, Canada; Smithsonian Institution, USA; Wellcome Trust, Grant in Medical Humanities, UK; Wellcome Trust, Pilot Grant, UK; Wellcome Trust, Research Leave, UK.

Review of book-long manuscripts submitted to: Arizona State University Press, USA; Brepols, Belgium; Brill, The Netherlands; Johns Hopkins University Press, USA; Notre Dame University Press, USA; Routledge, UK; Rowman & Littlefield, USA; Yale University Press, USA.

Review of manuscripts of articles submitted to: *Acta Medio-Historica Adriatica*; *African Journal of Traditional, Complementary, and Alternative Medicines*; *American Journal of Cardiology*; *Byzantion*; *Classical Review*; *Dynamis*; *Early Science and Medicine*; *Economic Botany*; *Ethnobotanical Research and Applications*; *FORUM - Trends in Experimental and Clinical Medicine*; *ISIS-Journal of the History of Science Society*; *Journal of the American College of Surgeons*; *Journal of Ethnobiology and Ethnomedicine*; *Journal of Ethnopharmacology*; *Journal of the Washington Academy of Sciences*; *Pharmazie - International Journal of Pharmaceutical Sciences*; *Speculum*; *Taxon*; *Vesalius - Journal of the International Society for the History of Medicine*.

9. ORGANIZATION OF, AND PARTICIPATION IN CONFERENCES, AND LECTURES

I have organized 30+ panels and sessions in international conferences, and participated in international conferences with 110 papers (100 as sole authors and 10 in collaboration) and 20+ in national meetings. Also, I have delivered 100+ feature/invited lectures and 40+ others. Topics included codicology and paleography; history of texts, collections, and collectors; digitization of manuscript documentation; transmission of knowledge in the Mediterranean world; Renaissance erudition and printing of classical texts; history of botany, medicine, and pharmacy; history of botanical illustration; and history of classical erudition.

10. TEACHING**a) Direction of research** (alphabetical order of last names)

- 2018 • Candice Lao, Independent Research, UCLA (USA).
- 2017 • Candice Lao, Summer Independent Research Program and Independent Research, UCLA (USA).
- Rui/Serena Sun, Summer Internship, UCLA (USA).
- Danilo Valentino, One-month Intensive Doctoral Internship, Hamburg University (DE).
- 2015 • Amicia Phillips, Program in Neurosciences, Johns Hopkins University, Baltimore, MD (USA). Intensive Internship program.

- Elizabeth Tokarz, Environemtn Studies, Yale University, New Haven, CT (USA). Intensive Internship program.
- Chang Young, International School, Brussels (Belgium). Intensive Internship program.
- 2014 • Valentina Cammaroto, Dipartment of Ancient and Modern Civilizations, University of Messina (I), Fellow, Special program “Knowledge Messengers”, Italian Ministry of Education, Universities and Research.
- Dara Meekins, Faculty of Science, George Mason University, Fairfax, VA (USA), Directed research.
- Domenico Pellegrino, Dipartment of Ancient and Modern Civilizations, University of Messina (I), Fellow, Special program “Knowledge Messengers”, Italian Ministry of Education, Universities and Research.
- Ramyat Prasad, Complementary and Alternative Medicine Program, Faculty of Medicine, Georgetown University, Washington, DC (USA), Summer practicum.
- Hope Watson, Temple University, Philadelphia (PA), 10-week Summer Internship.
- Bridget Wood, History BA, Southern Arkansas University (AK), Pre-master independent research.
- 2013 • Mannat Dhillon, Faculty of Science, Alberta University, Edmonton, Canada, Smithsonian-Alberta Fellow.
- Caitlyn Maczka, Interdisciplinary Honors Program, Montgomery College, Paul Peck Humanities Institute Internship Program.
- Nils Niemeir, PhD Candidate, Department of Archeology, Cornell University, Ithaca, NY, Summer Internship.
- 2012 • Cecily Marroquin, MA in Anthropology, Columbian College, George Washington University, Washington, DC (USA), Master research.
- Nils Niemeier, University of Richmond, VA (USA), Summer internship.
- Traci Pantuso, Bastyr University, WA (USA), Summer internship.
- Tanya Volanski, Department of Classics, Randolph-Macon College, Ashland, VA (USA), Summer internship.
- Daniel Woolridge, Medical School, Complementary and Alternative Medicine, Georgetown University, Washington, DC (USA), Practicum.
- 2011 • Derick Alexandre, University of North Carolina, Faculty of Arts, Department of Classics, Chapel Hill (USA), PhD candidate, Co-direction of PhD thesis.
- 2010 • Madeline Brown, BA Anthropology, Brown University, RI (USA), and Natural History Research Experience (NHRE), Smithsonian Institution, National Museum of Natural History, Directed research.
- Marianna Koronitou, Faculty of Chemistry, University of Athens (Greece), PhD candidate, Summer internship.
- Livia Radici, Faculty of Philosophy and Letters, University of Messina (Italy), Post-doctoral Summer internship.
- Vincenzo Tavernese, Medical School, University of Messina (Italy), Directed research.
- 2009 • Marri Knadle, University of Victoria (Canada), Faculty of Humanites, Medieval Program, Directed research.
- Cecily Marroquin, Departments of Anthropology and Geography, College of Arts and Sciences, New Mexico State University, Las Cruces, NM (USA), Summer internship.
- Andrea Oldenkamp, Department of Classics and Archeology, Ohio State University (USA), Summer internship.

- 2008 • Melanie Fortin, Free University Berlin (Germany), PhD candidate, Directed research.
- Cheyenne Moore, Department of Classical and Semitic Languages and Archaeology, Honor Program, College of Arts, George Washington University (USA), Directed research.
- Sebnem Ozcan, Faculty of Sciences, Istanbul University (Turkey), PhD candidate, Directed research.
- 2007 • John P. Cotton, Department of Classical and Semitic Languages and Archaeology, College of Arts, George Washington University, Washington, DC (USA), Directed research.
- 2006 • John P. Cotton, Department of Classical and Semitic Languages and Archaeology, College of Arts, George Washington University, Washington, DC (USA), Directed research.
- Cecily Marroquin, Department of Anthropology, College of Arts and Sciences, New Mexico State University, Las Cruces, NM (USA), Summer internship.
- Cheyenne Moore, Department of Classical and Semitic Languages and Archaeology, Honor Program, College of Arts, George Washington University (USA), Directed research.
- Niki Papavramidou, Department of History of Medicine, Medical School, University of Thessalonica (Greece), Post-doctoral research program.
- Ami Watanabe, Medieval Program, Faculty of Humanities, University of Victoria, Victoria, BC (Canada), Directed research.
- 2006 • John P. Cotton, Department of Classical and Semitic Languages and Archaeology, College of Arts, George Washington University, Washington, DC (USA), Directed research.
- Jeff Leon, Department of Classical and Semitic Languages and Archaeology, College of Arts, George Washington University, Washington, DC (USA), Directed research.
- Sam Raker, Department of Classical and Semitic Languages and Archaeology, College of Arts, George Washington University, Washington, DC (USA), Directed research.
- Bryan Randolph, Department of Classical and Semitic Languages and Archaeology, College of Arts, George Washington University, Washington, DC (USA), Directed research.

b) Teaching activity (by academic years)

- 2017-18 • Food and Medicine in Antiquity, Lower Division Classics Topical Studies, UCLA.
- The Foundations of Western Medicine. From Hippocrates to Vesalius, Upper Division Lecture Class, UCLA.
- 2016-17 • Venoms, Poisons and Medicines from Antiquity to the Renaissance, Lower Division General Education Program, UCLA.
- The Legacy of Ancient Medicine, Department of Classics, Upper Division Lecture Class, UCLA.
- 2015-16 • The Legacy of Ancient Medicine, Department of Classics, Lower Division General Education Program, UCLA.
- Venoms, Poisons and Medicines from Antiquity to the Renaissance, Lower Division General Education Program, UCLA.

- Books of Science/Science of the Book, Graduate research seminar, Information Studies Program, UCLA.
- 2013-14 • The Western Scientific Tradition. From Manuscripts to Internet, Department of Ancient and Modern Civilizations, University of Messina.
- 2012-13 • Materia Medica from Antiquity to the Renaissance, National University of Mexico, Institute for the History of Medicine.
- 2011-12 • Byzantine Science, University of Paris Diderot, Paris (France), Faculties of Letters and Sciences, MA in History of Medieval Sciences.
 - Medical Tradition Seminar, Institute for the Preservation of Medical Traditions, Smithsonian Institution, Washington, D.C.
- 2010-11 • Medieval manuscripts and transfer of information to e-databases, Georgetown University (USA), Georgetown College, Medieval Studies Program.
 - Epidemiology in Historical Context, University of Victoria, Victoria, BC (Canada), MA and PhD Program on Social Determinants of Health, Faculty of Social Sciences.
- 2009-10 • Ancient Science from Manuscripts to the Internet, University of Messina (Italy), Faculty of Philosophy and Letters, Department of Classics, PhD Program.
- 2008-09 • History of Medieval Science, University of Victoria (Canada), Faculty of Humanities Medieval Program.
- 1999-01 • History of sciences in the Mediterranean, New Jersey Scholars Program, Lawrenceville (USA), Summer school for high school seniors.
- 1998-99 • History of the classical tradition, University of Costa Rica (Costa Rica), Faculty of Letters, Department of Classics, undergraduate and graduate programs.
- 1997-98 • Scientific lexicology (botany and anatomy), 2nd University of Naples (Italy), Faculty of Sciences, Department of Biology, freshmen/sophomore.
- 1996-97 • The tradition of medical sciences from Byzantium to Baghdad, University “La Sapienza” (Italy), Medical Faculty, Department of History of Medicine, graduate program.
- 1994-95 • History of scientific lexicon and History of scientific drawing, University “Pompeu Fabra”, Barcelona (Spain), Faculty of Advanced Studies, Department of Communication, Master.
- 1993-94 • The legacy of antiquity in the Arabic world, Arabic science, and The integration of Greek science in Arabic science: current state of research and problems, University of Provence, Aix-en-Provence/Marseille (France), Faculty of Humanities, Department of Near-Eastern Studies, seniors.
 - Arabic medicine and its Greek sources: problems and methods of research, University of Provence, Aix-en-Provence/Marseille (France), Faculty of Humanities, Department of Near-Eastern Studies, research seminar.
- 1992-93 • Methodology of the research in the history of ancient and medieval science, Central University, Barcelona (Spain), Faculty of Pharmacy, Department of History of Pharmacy, PhD candidates.
 - Latin, elementary level, and Latin, 2nd level, University of Nice (France), Faculty of Humanities, Department of Classics, freshmen/sophomores.
 - History of Latin literature, and History of Roman civilization, University of Nice (France), Faculty of Humanities, Department of Classics, seniors.
- 1989-90 • History of medieval sciences, and History of ancient botany, University of Provence, Aix-en-Provence/Marseille (France), Faculty of Sciences, Department of Botany, seniors and master.

- History of Arabic medicine, Free University of Brussels (Belgium), Medical Faculty, Program in History of Medicine, Master.
- 1988-89 • History of texts and methods of edition, Research seminar, University of Costa Rica (Costa Rica), Faculty of Letters, Department of Classics, seniors and PhD candidates.
- 1988-90 • History of Greek and Arabic medicine, Research seminar, University of Louvain (Belgium), Medical Faculty, Program in History of Medicine, PhD candidates.
- 1987-88 • History of the Western medical tradition, European University (Belgium), Department of Medical Communication, Master.
 - History of the book, Superior School of Bibliothecology (Belgium), seniors.
- 1982-85 • Greek paleography and codicology, University of Louvain (Belgium), Faculty of Letters, Department of Classics, juniors, preparation of the BA thesis.

11. EXHIBITIONS

- 2004 • *An Odyssey of Knowledge* Poster exhibition (reproductions of manuscripts) realized in collaboration with the National Library of Medicine, National Institutes of Health, Bethesda (USA). Inaugurated at the 38th Conference of the International Society for the History of Medicine in Bari/Metaponto (Italy), it has been on display since then in Beijing (China), Academy of Medicine; Geneva (Switzerland), World Health Organization; Istanbul (Turkey), Yeditepe University, International Conference on Ethno-biology; Mexico, DF (Mexico), UNAM; Paris (France), Inter-university Library of Medicine; Raleigh (USA), National Institute of Environment Health; Rome (Italy), National Library; and Victoria, BC (Canada), University of Victoria.
The exhibition is now available online on the site of the National Library of Medicine of the National Institutes of Health, at the following URL:
<http://www.nlm.nih.gov/exhibition/odysseyofknowledge/index.html>.
- 2002 • *Medicine and Art at the 13th cent. A.D. Abbasid Court in Baghdad*. Poster exhibition (reproductions of manuscripts) organized on the occasion of the 38th Conference of the International Society for the History of Medicine, Istanbul (Turkey).
 - *The Birth of Linnaeus' System of Plant Classification*. Book exhibition, The Hunt Institute for Botanical Documentation, Carnegie-Mellon University, Pittsburgh (USA)
- 2001 • *Healing Kidneys Diseases in Antiquity*. Poster exhibition (reproductions of manuscripts) organized on the occasion of the 3rd Conference of the International Association for the History of Nephrology, Taormina (Italy).
 - *Order in the disorder: the History of Botanical Classification*. Book exhibition organized on the occasion of the Symposium "Phylocode vs. Linnaeus' Classification", Smithsonian Institution, National Museum of Natural History, Washington, DC (USA).
- 2000 • *Ancient Botany from Byzantium to the West*. Exhibition of ancient books (with printed catalogue). Dumbarton Oaks Center for Byzantine Studies, Washington, DC (USA).
 - *Healing Renal Diseases in Antiquity. Plants from Dioscorides' De materia medica with Illustrations from the Greek Manuscript Athos, Ω 75 (mid-11th cent. A.D.)*. Poster exhibition (reproductions of manuscripts), with catalogue, organized on the occasion of the International Conference of the Italian Society of Nephrology, Taormina (Italy).
- 1992 • *Ancient Pharmacy: Images from Byzantine Manuscripts*. Photo exhibition organized on the occasion of the International Conference of the History of Pharmacy, Athens (Greece).

- 1991 • *L'art de guérir aux temps jadis*. Exhibition of medical antiquities (with printed catalogue). Abbaye de Dileghem, Brussels (Belgium).
- 1990 • *Les plantes médicinales dans l'histoire: de Constantinople à la Renaissance*. Photo exhibition of manuscripts (with printed catalogue) organized on the occasion of the International Conference on *Oils and Perfumes*, Cité des Sciences et de l'Industrie, Paris (France).
- 1988 • *Manuscrits grecs et arabes de Dioscoride*. Photo exhibition organized on the occasion of the International School of the Written Record, Centro Ettore Majorana, Erice (Italy).
 - *Images du vin à Byzance et Baghdád*. Photo exhibition of manuscripts organized on the occasion of the International Conference *Images and realities of Wine*, Catholic university of Louvain, Louvain-la-Neuve (Belgium).
 - *La pharmacie grecque ancienne*. Photo exhibition (reproductions of manuscripts), organized on the occasion of the International Conference of the Accademia Italiana di Storia della Farmacia, Piacenza (Italy).
- 1986 • *La médecine au siècle de Molière*. Exhibition of medical antiquities, Chapelle de Boondael Brussels (Belgium).
- 1984 • *Le Traité de matière médicale de Dioscoride à la Renaissance. Exposition d'exemplaires des X^e et XV^e siècles* (with printed catalogue). University of Louvain, Medical Faculty, Brussels (Belgium).

12. MEDIA AND PUBLIC OUTREACH

a) Major paper publications

- 2017 • *The Washington Post*, January 2017
- 2016 • *HerbalGramm*, December 2016
- 2013 • *Chemical and Engineering News*, Berlin (D), March 2013
- 2012 • *Der Spiegel*, Germany, September 2012
 - *Vesalius*, 18.1 (Summer 2012)
- 2011 • *Discover*, New York, NY (USA), January 2011
 - *National Geographic*, Washington, DC (USA), September 2011
 - *Smithsonian Magazine*, Washington, DC (USA), May 2011
 - *Washington Post*, Washington, DC (USA), February 2011, Health Supplement
- 2010 • *ARCHEO*, Rome (I), November 2010
 - *Science*, Washington, DC (USA), October 2010
- 2003 • *Hürriyet*, Istanbul (TK), January 2003, *Culture* Supplement
- 2002 • *Radikal*, Istanbul (TK), September 2002, *Book* Supplement
 - *Chemical Heritage*, Philadelphia, PA (USA), 20/2 (Summer 2002)
- 1990 • *Il Girasole*, Milan (I), 1990/6 (June)
- 1989 • *El Farmaceutico*, Barcelona (SP), June 1989
- 1986 • *Le Journal du Médecin*, Brussels (B), June 1986
- 1984 • *Le Journal du Médecin*, Brussels (B), February 1984
 - *Le Soir*, Brussels (B), 8 February 1984

b) Major e-publications

- 2012 • *Smithsonian Magazine* (USA)
<http://blogs.smithsonianmag.com/aroundthmall/2012/07/colds-and-conquests-how-a-health-crisis-may-have-spurred-roman-expansion/>
- 2011 • *Discover Magazine* (USA)
<http://discovermagazine.com/2011/jan-feb/53>
- *Daily Telegraph* (UK)
<http://www.telegraph.co.uk/news/worldnews/europe/italy/8627715/Roman-era-shipwreck-reveals-ancient-medical-secrets.html>
- *History* (USA)
<http://www.history.com/news/2011/07/14/ancient-medicines-from-shipwreck-shed-light-on-life-in-antiquity/>
<http://www.history.com/news/2011/06/27/a-wise-mans-cure-frankincense-and-myrrh/>
- *Herbalgram* (USA)
<http://cms.herbalgram.org/heg/volume8/01January/RomanShipwreckPills.html?t=1294840952>
- *Smithsonian Magazine* (USA)
http://www.smithsonianmag.com/arts-culture/What-Secrets-Do-Ancient-Medical-Texts-Hold.html#comments_shaded
- *Washington Post* (USA)
<http://www.washingtonpost.com/wp-dyn/content/article/2011/02/01/AR2011020100169.html>
- 2010 • *American Scientist* (USA)
<http://www.americanscientist.org/science/pub/-1674>
- *AOL News* (USA)
<http://www.aolnews.com/2010/12/21/shipwrecked-2-000-year-old-pills-give-clues-to-ancient-medicine/>
- *Archaeology News Network* (USA)
<http://archaeologynewsnetwork.blogspot.com/2010/12/more-on-shipwrecked-2000-year-old-pills.html>
- *BBC* (UK)
<http://www.bbc.co.uk/news/world-us-canada-13190376>
- *Discover Magazine* (USA)
<http://blogs.discovermagazine.com/discoblog/2010/09/10/ancient-greek-pill-poppers-dosed-themselves-with-carrots-and-yarrow/comment-page-1/#comment-44101>
- *Discovery* (USA)
<http://news.discovery.com/archaeology/roman-ship-medical-kit.html>
- *HSS Online* (USA)
http://www.hssonline.org/profession/news/action.lasso?-database=hssguides&-Layout=Events%20web&nID=109639&-Search&-response=/profession/news/detail_print.lasso
- *Nature* (UK)
http://blogs.nature.com/news/thegreatbeyond/2010/09/roman_pills.html
- *New Scientist* (UK)
<http://www.newscientist.com/article/dn19436>

- *Repubblica* (I)
http://www.repubblica.it/scienze/2010/09/11/news/farmaci_nel_relitto-6969117/
- *Science Mag* (USA)
<http://www.sciencemag.org/content/330/6000/28.full.pdf>
- *Smithsonian Science* (USA)
<http://smithsonianscience.org/2010/10/dna-sequencing-reveals-simple-vegetables-in-ancient-roman-medicines/>

Several of these e-news have been translated into Bosnian, Dutch, Hungarian, Italian, Malay, Polish, Portuguese, Romanian, Russian, Spanish, Slovenian, Taiwanese, and Vietnamese.

c) Interviews

Interviews (recent) on BBC, CBC, National Geographic Chanel, Radio Canada.

13. PROFESSIONAL SOCIETIES

Current affiliation to the following societies, including active participation in their activities:

- American Association of the History of Medicine (AAHM).
- American Institute for the History of Pharmacy (AIHP).
- American Philological Association (APhA).
- Byzantine Studies Association of North America (BSANA).
- History of Science Society (USA) (HSS).
- International Society for Ethnobiology (ISEb).
- International Society for Ethnopharmacology (ISE).
- International Society for the History of Medicine (ISHM).
- Medieval Academy (USA).
- Renaissance Society of America (RSA).
- Société Internationale d'Etudes Byzantines.
- Society for Economic Botany (SEB).
- Society for the History of Authorship, Reading and Publishing (SHARP).