

# Curriculum Vitae

Sílvia Mamede

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## **OFFICE ADDRESS**

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## **PERSONAL INFORMATION**

Full name: Sílvia Mamede Studart Soares  
Nationality: Brazilian

## **EDUCATION**

- 2006            Ph.D. in Medical Education. Erasmus University Rotterdam, The Netherlands.  
Dissertation title: Reflective Practice in Medicine.  
Supervisor: Prof. dr. Henk G. Schmidt.
- 1998            Master in Health Professions Education (credits completed; thesis not  
prepared). Maastricht University, The Netherlands
- 1991            Master in Primary Health Care Management. *Istituto Superiore di Sanità*, Italy
- 1988            Specialty degree (residency program) in Preventive Medicine. National Institute  
of Medical Assistance and Social Security, Fortaleza, Brazil
- 1986            Medical Doctor. Faculty of Medicine, Federal University of Ceara, Fortaleza,  
Brazil.

## **ACADEMIC APPOINTMENTS**

- 2013 – present    Associate professor, Institute of Medical Education Research Rotterdam  
(iMERR), Erasmus Medical Center, Rotterdam, The Netherlands  
Associate professor, Department of Psychology, Faculty of Social Sciences,  
Erasmus University, Rotterdam, The Netherlands
- 2008 – 2013      Assistant professor, Department of Psychology, Faculty of Social Sciences,  
Erasmus University, Rotterdam, The Netherlands
- 2003 – 2008      Educational advisor, Centre for Medical Education Development, Faculty of  
Medicine, Federal University of Ceara, Fortaleza, Brazil  
Functions: providing support for (i) design and implementation of faculty  
development program and (ii) curriculum design, including courses design,  
preparation of educational materials, structuring of clinical skills lab, student

assessment and course evaluation.

1995 – 2002 Assistant professor, Department of Health Management, School of Public Health of the State of Ceara, Fortaleza, Brazil

### ***MANAGEMENT POSITIONS***

2003 - 2007 Chair, Innovare Institute (non-governmental organization for the support of educational innovations in Brazilian medical schools), Fortaleza, Brazil

1995 - 2002 Dean, School of Public Health of the State of Ceara, Fortaleza, Brazil

1994 Chair, Department of Health Management, School of Public Health of the State of Ceara, Fortaleza, Brazil

1993 Chair, Department of Planning and Co-ordination, State Health Secretariat of the State of Ceara, Fortaleza, Brazil

1988 - 1990 Executive Secretary, Inter-institutional Health Council, State Health Secretariat of the State of Ceara, Fortaleza, Brazil

### ***CONSULTING ACTIVITIES (SELECTED)***

2002 - 2007 University José do Rosário Velano/UNIFENAS, Brazil. Consultancy for the design and establishment of the UNIFENAS Medical College in Belo Horizonte, comprising the following: i) design of the problem-based learning curriculum (curriculum framework; courses for years 1 to 4, with teachers' and students' guides; system for students' assessment and for program evaluation); ii) introductory training of faculty members and courses on medical education for faculty development over 3 years; iii) program evaluation, conducted in 2006.

2003 – 2007 State Secretariat of Health, Minas Gerais, Brazil. Consultancy for the establishment of a continuing medical education program for family doctors, comprising the following: i) design of the educational program; ii) design and delivery of a diploma course on health professions education" (duration: 160 hours) in each of the 7 universities located in the state regions for training of medical teachers with educational roles in the program; iii) supervision and technical support for the program implementation and evaluation.

2004 Municipal Secretariat of Health of Curitiba, Paraná, Brazil. Consultancy for the establishment of a continuing medical education program for family doctors.

2000 - 2002 Municipal Secretariat of Health, Vitória, Espírito Santo, Brazil. Consultancy for the design and structuring of a program for continuing medical education of family doctors, comprising the following: i) design of the educational program; ii) training of professionals in charge of educational roles; iii) supervision and technical support for the program implementation and evaluation.

### ***INVITED ADDRESSES (selected)***

- 2021, June 25 DFG Research Unit COSIMA, Ludwig-Maximilians Universität München. Guest lecture: *"Learning from Research on the Teaching of Clinical Reasoning"*. Munich, Germany.
- 2021, July 28 I Brazilian Clinical Reasoning Conference. Key note: *"Reflection in medical diagnosis and learning"*. Londrina, Brazil (virtual conference).
- 2019, May 23 Research in Medical Education (RIME) Conference. Opening key note: *"Future doctors' clinical reasoning"*. Copenhagen, Denmark.
- 2018, June 25 Colloquium invited address (guest professorship). *"Clinical Reasoning: How it works and How it doesn't"*. Institute for Medical Education, University of Bern, Switzerland
- 2018, June 28 Invited lecture (guest professorship): *"Teaching Diagnostic Reasoning: Hints from Research on Clinical Reasoning"*. Inselspital University Hospital Bern, Switzerland Institute for Medical Education, University of Bern, Switzerland
- 2017, August 12 Keynote: *"Clinical Reasoning & Diagnostic Error"*, Workshop Clinical Reasoning and the Development of Diagnostic Competence, Medical School, UNICAMP, Campinas, Brazil.
- 2017, August 5 Keynote: *"Diagnostic Reasoning: The Role of Illness Scripts"*, Workshop Clinical Reasoning and the Development of Diagnostic Competence, Faculty of Medicine, University of São Paulo Brazil.
- 2014, June 6 Keynote: *"Learning Clinical Reasoning"* Summer Institute 2014 "Navigating the Clinical Mind: Teaching, Learning and Assessing Clinical Reasoning", Dalhousie University, Halifax, Canada. Title of the presentation:.
- 2012, October 25 Invited address: *"The Sources of Cognitive Diagnostic Errors: Why Reasoning Fails"*. First Montreal International Conference on Clinical Reasoning, Montreal, Canada
- 2011, October 25 Keynote: *"Interventions to Improve Clinical Reasoning"*. 4th Annual Diagnostic Error in Medicine Conference, Chicago, USA  
Title of the presentation:
- 2011, October 12 Invited address: *Clinical Reasoning: Strategies for Teaching Decision Making*. 49th Annual Conference of the Brazilian Medical Education Association, Belo Horizonte, Brazil.
- 2011, April 8 Presenter. American Educational Research Association (AERA) 2011 meeting, New Orleans, US. Presenter in the symposium on *Impact of Bias and Reflection on Clinical Reasoning*.
- 2010, April 29 American Educational Research Association (AERA) 2010 meeting, Denver, US. Presenter in the symposium on *Recent Developments in Instructional Design and Assessment in Medical Education*.
- 2009, November 11 Invited address: *"Reflection in Clinical Practice"*. Faculty Development Program. Faculty of Medicine, University of Sherbrooke, Canada.
- 2009, October 25 Invited lecture: *"Medical Expertise & Clinical Reasoning"*. International Workshop on Innovative Concepts in Medical Education, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia.

## **GRANTS**

- 2018 ZonMW Program "Kwaliteit van Zorg: Versnellen, verbreden, vernieuwen/Subsidy round: Onderwijs 2018". Learning from mistakes: Defining case descriptions to improve

- clinical reasoning education (co-applicant; € 300,061).
- 2016 SSHRC-CRSH (Social Sciences and Humanities Research Council of Canada). Project: “Comparing and combining two instructional techniques: Impact on learning at different levels of higher education”. (co-applicant; € 47,000)
- 2016 National Research Foundation, Singapore. Project: “A Neuroscientific Research Programme on Diagnostic Reasoning in Medicine: A Proof of Concept Near Infrared Spectroscopy (NIRS) Study” (co-applicant; € 45,000)
- 2015 ZonMW Program “Kwaliteit van Zorg: Versnellen, verbreden, vernieuwen/Subsidy round: Onderwijs 2015”. Project: “Teaching reflective reasoning through modeling as a strategy to counteract diagnostic mistakes in general practice” (co-project leader; € 248,008)
- 2011 NUFFIC-CAPEs Program - Call 03.2011. Project: “Educational strategies for the development of medical students’ and physicians’ clinical competence” (co-project leader; € 144,590)

### **OTHER ACADEMIC ACTIVITIES**

#### *Supervision of Master theses*

- Nadia Al Attas, University of Maastricht (2010)
- Telma Kremer, University of Maastricht (2013)
- Tim van der Zee, Psychology, Erasmus University Rotterdam (2015)
- Daniel de Castro, University of Maastricht (2016)

#### *Supervision of PhD theses (co-promotor)*

##### *Completed:*

1. Ahmed Rumayyan Al Rumayyan (external PhD student; Saudi Arabia). Title of the thesis: Developing Clinical Competences: Studies in Professionalism and Diagnostic Reasoning. Graduation: 2020.
2. Elmi Badenhorst (external PhD student; South Africa). Title of the thesis: Dissecting Biomedical Misconceptions: Exploring the Extent and Nature of Medical Students’ Failures to Understand. Graduation: 2019.
3. Bernard Martineau (external PhD student; Canada). Title of the thesis: The Influence of Peers on Medical Students Learning of Psychomotor Skills Necessary for Physical Examination. Graduation: 2016.
4. Martine Chamberland (external PhD student; Canada). Title of the thesis: Self-explanation Fosters Clinical Reasoning among Medical Students. Graduation: 2014.
5. José Batista Tomáz (external PhD student; Brazil). Title of the thesis: Distributed Problem-Based Learning in a Low-Resources Setting. Graduation: 2013.
6. Kees van den Berge (internal PhD student; EUR). Title of the thesis: Cognitive Biases in Medical Diagnosis. Graduation: 2012

##### *In progress:*

1. Josepha Kuhn (ErasmusMC, ZonMw funded). Title of the project: Teaching Reflection through Modelling as a Strategy to Counteract Diagnostic Mistakes in General Practice.
2. Telma Kremer (external PhD student; Faculty of Medicine, University of São Paulo, Brazil): Title of the project: Students’ Emotions and Learning in Medical Education. Promotors:

3. Dalal AlQahatni (external PhD student; King Saud Bin Abdulaziz University for Health Sciences, Saudi Arabia). Title of the project: Contextual Factors Influencing Physicians' Diagnostic Performance: The Role of Time Constraints.
4. Ligia Cayres Ribeiro (external PhD student; Medical College, UNIFENAS, Brazil). Title of the project: The Influence of Reflection upon Clinical Experiences on Medical Students' Learning Processes and Outcomes.
5. Daniel Franci (external PhD student; Faculty of Medicine, UNICAMP, Brazil). Title of the project: Learning in Clinical Settings: Point-Of-Care Ultrasound in the Teaching of Clinical Reasoning.
6. Lucy Victoria Rosby (external PhD student; Nanyang Technological University, Singapore). Title of the project: In Search of System 1 versus System 2 in Medical Diagnosis.
7. Gustavo Valadares Labanca Reis (external PhD student; Federal University of Ouro Preto, Brazil). Title of the project: Instructional Approaches to Foster Learning from Practice with Clinical Problems on Digital Platforms.

*Editorial Board:* Health Professions Education; BMC Medical Education

*Ad hoc Reviewer*

- Journals: JAMA, BMJ Q&S, Journal of General Internal Medicine, Medical Decision Making, Medical Education, Academic Medicine, Advances in Health Sciences Education, BMC Medical Education, Medical Teacher, Teaching and Learning in Medicine, Computers in Human Behaviour, Educational Psychology Review, Journal of Learning & Instruction.
- Conferences: AMEE (2013, 2014, 2016, 2018, 2019); RIME 2015.
- Norway Research Council grant application 2020.
- Leuven University Research Funds 2018 project proposal;
- Grant applications and awards nominations AERA (Outstanding publication nomination 2013); AMEE (grant application 2013); National Institute of Education, Singapore (grant application 2015).

*Conference Organization*

Member of the organizing committee of the DEM Europe 2016, the first conference of the Society to Improve Diagnosis in Medicine in Europe.

*International Cooperation*

I have had the pleasure to collaborate on projects, many of which have resulted in grant applications, articles and book chapters, with the following colleagues:

- Prof. Dr. Geoff Norman, University of McMaster, Canada
- Dr. Jerome Rotgans, Nanyang Technological University, Singapore
- Dr. Wolf Hautz, Inselspital, University of Bern, Switzerland
- Dr. Martine Chamberland, University of Sherbrooke, Canada
- Prof. Dr. Martin Fisher, Ludwig-Maximilians-University of Munich, Germany
- Prof. Dr. Milton Martins and Dr. Maria do Patrocínio Nunes, University of São Paulo, Brazil
- Prof. Dr. Silvana Eloi and Dr. Rosa Malena de Faria, Federal University of Minas Gerais, Brazil
- Prof. Dr. João Macedo Coelho-Filho, Federal University of Ceara, Brazil
- Prof.dr. Marco Antonio de Carvalho Filho, UNICAMP, Brazil

### ***HONOURS AND WARDS***

- 2018- Guest professor, University of Bern, Inselspital, since June 2018 (grant awarded to Dr. Wolf  
2020 Hautz within the framework of the University of Bern international guest professorship programme).
- 2010 Outstanding Research Publication Award of Division I (Education in the Professions) of the American Educational Research Association for the article “Effect of availability bias and reflective reasoning on diagnostic accuracy among internal medicine residents” (Mamede, Van Gog, Van den Berge, Rikers, Van Saase, Van Guldener, & Schmidt; JAMA 2010; 304(11), 1198-1203)

### ***PROFESSIONAL AFFILIATIONS***

Association for Medical Education in Europe (AMEE)

Society for the Improvement of Diagnosis in Medicine (SIDM)