

Luis Monteiro Rodrigues

monteirorodrigues@sapo.pt; +351963017070

PROFESSIONAL CAREER

ACADEMIA

TEACHING AND RELATED ACTIVITIES:

Teaching specialty in Human Physiology and Pathology / Pathophysiology since 1983 in higher education Universities and domains, namely:

- Universidade de Lisboa, currently invited Associate Professor - Pharmaceutical Sciences (1983-), Medicine (1986-1992), Clinical Analysis (1996-), and Biophysics and Biomedical Engineering (2006-)
- Universidade Lusófona, currently Full Professor - Pharmaceutical Sciences (2000-), Nutritional Sciences, Dermatocosmetic Sciences (2006-) and Experimental Dermatology (2008-)
- Current Director of the Health Sciences and Technologies School (ECTS) at Universidade Lusófona;
- High education advisor in several foreign institutions in related domains

RESEARCH :

General

- Director of the CBIOS – the Research Center in Health Biosciences and Technologies at Universidade Lusófona;
- Senior Coordinator of several research projects (1992-)
- Chief Editor of the *Biomedical and Biopharmaceutical Research Journal* (bilingual) (2003-)
- Member / Reviewer of several editorial boards (international journals)

Activities and Interest areas

- Peripheral circulation and vascular regulation
- Skin physiology and pathophysiology
- Skin barrier (physiology and modelling)
- Assessment and evaluation of human *in vivo* skin (safety, efficacy diagnosis and therapeutics)

Indicators

- Publication of approximately 400 scientific papers
- Publication of approximately 40 pedagogical papers and reports
- Presentation of research in more than 300 communications (oral and panel) to national and international audiences

Publications (last five years)

- 2011
- Rosado C & **Rodrigues LM**, Characterization of the efficacy of a moisturizer that restores the cutaneous barrier. *Biomed Biopharm Res*; 2011; (8)1: 109-121
 - Pinto P, Rosado C, Parreirão C, **Rodrigues LM**. Is there any barrier impairment in sensitive skin?: a quantitative analysis of sensitive skin by mathematical modeling of transepidermal water loss desorption curves. *Skin Res Technol*. 2011;17(2):181-5
 - Reis, C.P, Nunes, F.F., Rosado, C., **Rodrigues LM**. Design and transdermal delivery of indomethacin nanosystem. *Journal of Materials Science and Engineering* 2011; 1, p.531-537,

- **Rodrigues LM**, Pinto, P.C. Fluhr, J, In Vivo Assessment of Peripheral Vascular Function by TCPO2 and Skin Blood Flow Modeling, 2011, *Experimental Dermatology*, 21, 38–42

- 2012
 - Ferreira HA, Fernandes CD, Pinto PC , **Rodrigues LM**, Use of Wavelet Transforms and Detrended Fluctuation Analysis in the Evaluation of Human Skin Microcirculation. *Biomed Biopharm Res*, 2012; (9)1: 79-86
 - Tavares L, Palma L, Almeida MA, Bujan MJ, **Rodrigues LM**, Development of an in vivo method to better understand the obese skin. *Biomed Biopharm Res*, 2012; (9)1: 87-93
 - Rosado C., Ferreira J., Pinto PC & **Rodrigues LM**, Skin Barrier Function Evaluation by Bi-compartmental Analysis of TEWL Dynamical Measurements: Validation of New Analytical Conditions, *Biomed Biopharm Res*;2012; (9) 2: 183-189.
 - Tavares L, Palma ML, Santos O, Almeida MA , Bujan MJ & **Rodrigues LM**, Relationship between skin hydration and elasticity in normal weighted subjects and the influence of age, *Biomed Biopharm Res*; 2012; (9) 2: 191-198
 - Sponchiado G, Mello-Sampayo C, Pereira MM; Silva H, Otuki MF, Silva-Lima B, & **Rodrigues LM**, Rat skin physiology is modified by age, *Biomed Biopharm Res*; 2012; (9) 2: 199-206

- 2013
 - Tomasino F, Palma M^aL, Monteiro C, Tavares L , Bujan M^aJ & **Rodrigues LM.**, *Dietary water seems to improve skin hydration without influencing hemodynamics.*, *Biomed Biopharm Res.* , 2013; (10) 1: 43-54
 - Tavares L, Palma M^aL, Santos O, Almeida M^a A, Bujan M^aJ, & **Rodrigues LM.**, Impact of overweight on the normal physiology of human in vivo skin, *Biomed Biopharm Res.* , 2013; (10) 1: 55-63
 - Silva H, Ferreira H, Tavares L , Bujan M^aJ & **Rodrigues LM.**, Exploring in vivo models to characterize peripheral microcirculation – a pilot study, *Biomed Biopharm Res.* , 2013; (10) 1: 65-72

- 2014
 - Rosado, C., **Rodrigues, L.M.** Human epidermal barrier may be quantitatively described by compartmental analysis of water dynamics. In Humbert P. and Maibach HI (eds) In “Measuring the Skin” eds. Philippe Humbert, Howard Maibach and Ferial Fanian, 2nd Ed. Springer, Paris 2014
 - Silva H, Ferreira H, **Rodrigues LM.** Studying the oscillatory components of the human skin microcirculation, in “Measuring the Skin” eds. Philippe Humbert, Howard Maibach and Ferial Fanian, 2nd Ed. Springer, Paris 2014
 - Tavares, L., Palma, L., Santos, O., Almeida, M.A., Bujan, M.J., **Rodrigues, L.M.** Impact of excess body weight on skin hydration and biomechanics In “Measuring the Skin” eds. Philippe Humbert, Howard Maibach and Ferial Fanian, 2nd Ed. Springer, Paris 2014
 - Silva H, Ferreira H, Tavares L, Bujan J, **Rodrigues LM.** The wavelet transform as a tool for the characterization of the vascular response in the human lower limb. *Biomed Biopharm Res.* 2014; (11)1:75-80
 - Silva H, Rosado C., Antunes J., **Rodrigues LM.** Exploring human in vivo microcirculation with methyl nicotinate in different perfusion conditions *Biomed Biopharm Res.* 2014; (11)2:207-14
 - Silva H., Ferreira H., Bujan M^aJ., **Rodrigues LM.**, Exploring the oxygen challenge test as a microcirculation evaluation model, *Biomed Biopharm Res.*, 2014; (11)2: 207-214

- 2015
 - Silva H., Ferreira H., Bujan M^aJ., **Rodrigues LM.**, Regarding the quantification of peripheral microcirculation - comparing responses evoked in the in vivo human lower limb by postural changes, suprasystolic occlusion and oxygen breathing, *Microvascular Research* 99 (2015) 110–117
 - Palma L., Tavares L., Fluhr J., Bujan M^aJ., **Rodrigues LM**, Positive impact of

- dietary water on in vivo epidermal water physiology, *Skin Res & Technol.*, 2015 (in press)
- Wagemaker T, Rosado C., Fernandes AS , Campos PM , **Rodrigues LM** & Rijo P Integrated approach in the safety assessment of cosmetic formulations with green coffee oil", *Internat. Journal Cosmetic Science*, (in press) 2015
 - Palma L., Tavares L., Bujan M^AJ., **Rodrigues LM.**, Dietary water affects human skin hydration and biomechanics, *Clinical, Cosmetic and Investigational Dermatology* (in press) 2015
 - Barcelos R, de Mello-Sampayo C, Antoniazzi CTD, Segat H, Silva H, Veit JC, Piccolo J., Emanuelli T, Bürger ME, Silva-Lima B, **Rodrigues LM.**, Oral Supplementation with Fish Oil reduces dryness and pruritus in the Acetone-Induced Dry Skin Rat Model, *Dermatol Sciences* (in press) 2015

ADDITIONAL
FEATURES

- 1992-1993 member of the EU's Analytical Instrumental Methods for Cosmetic Products Group.
- 1993-1998 Member of the EU Scientific Committee for Cosmetology (actual SCCNFP)
- 2009 - present, Founding member and Secretary of the EEMCO Group (European Group for the Efficacy Measurement of Cosmetics and other Topical Products)
- Founding member (1995) of the EBRA (European Biomedical Research Association)
- 2000 - present, Director of ALIES (the Lusophone Association for the Development of Health Sciences Teaching and Research) board
- 2008 – present, Founding member and Chairman of the Direction Board of SPCC - the Portuguese Society of Cosmetological Sciences
- 2010 – present, National representative of LIAC - The Latin Society for Vascular Research
- Private consultant for pharmaceutical, cosmetic and food industries (national and international)

PRIZES AND
DISTINCTIONS
(LAST FIVE
YEARES)

- 2014 - 2nd Best Original Paper Oral Presentation at XXX National Congress of Cosmetology (S.Paulo Brazil)
- 2013 - Scientific Board and Co-chair of the ISBS SICC Joint International Congress in Milan
- 2011 - VASENOL Skin's Health Prize
by UNILEVER-Jerónimo Martins
- 2010 - Best Original Science Presentation at XXVII National Congress of Cosmetology (S.Paulo Brazil)
ABC (Ass. Brasileira Cosmetologia)
- 2009 - Best Poster Award at the II National Congress of Dermatocosmetic Sciences *SPCC*

HIGHER EDUCATION AND FORMATION

1977-1981	Pharmaceutical Sciences degree (PharmD) from Universidade de Lisboa (Faculty of Pharmacy)
1986-1988	Master (MSc) degree in Human Physiology from Universidade de Lisboa (Faculty of Pharmacy)
1986-1992	Medical formation (preclinical) from Universidad de Extremadura School of Medicine (Spain) and Universidade Nova de Lisboa, Faculty of Biomedical Sciences
1989-1992	PhD in Human Physiology from Universidade de Lisboa (Faculty of Pharmacy) <i>Magnus et Laude</i>

MEMBERSHIPS

- SPDV (Portuguese Society of Dermatology and Venereology)
- SPCF (Portuguese Society of Pharmaceutical Sciences)
- SPCC (Portuguese Society of Cosmetological Sciences)
- RDS (Research Defense Society)
- EBRA (European Biomedical Research Association)
- The Physiological Society
- The American Society of Physiology
- ISCD (International Society of Cosmetic Dermatology)
- EEMCO Group (European Group for the Efficacy Measurement of Cosmetics and other Topical Products)
- ISBS (International Society for Bioengineering and the Skin)
- EUPHEPS (European Federation for Pharmaceutical Sciences)
- LIAC (The Latin Society for Vascular Research)