

CURRICULUM VITAE

PERSONAL DATA

Last name: Dietze
First name: Reynaldo
Title: M.D., M.Sc., D.Sc. Full Professor
Birth date: 09 / 01 / 1953
Nationality: Brazilian

Personal Address:
Rua Professor Sousa da Câmara 149A 1Dt, Freguesia de Campo de Ourique, Conselho de Lisboa

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Instituto de Higiene e Medicina Tropical
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BACKGROUND

Specialty: Infectious Diseases / Tropical Medicine

Certificate / Degree	School / University	Date Obtained
Medical Degree	Universidade Federal do Espírito Santo	1977
Residency	FMUSP - Universidade de São Paulo	1980
M.Sc. in Tropical Medicine	Núcleo de Medicina Tropical - Universidade de Brasília, UnB	1983
D.Sc in Infectious and Parasitic Diseases	FMUSP - Universidade de São Paulo	1990

PROFESSIONAL EXPERIENCE

CURRENT POSITION

2018/... Invited Full Professor Unidade de Ensino e Investigação em Clínica das Doenças Tropicais

1918/.. Voluntary Professor
Núcleo de Doenças Infecciosas
Universidade Federal do Espírito Santo, Vitória, Brazil.

2002/...Adjunct Assistant Professor of Medicine - Honorary Title
Duke University Medical Center

USA - North Carolina

2017/...Temporary Adviser WHO for ZIKA infections/Data Analysis

PREVIOUS APPOINTMENTS & PERSONAL ACHIEVEMENTS

- 1984-1986 Research Fellow
Núcleo de Medicina Tropical e Nutrição,
University of Brasília, Brasília, Brazil.
- 1986
(Jun-Oct) Epidemiology Advisor, Secretary of Hygiene and Health, City of São
São Paulo, SP, Brazil
- 2005-2007 President of the Committee for Technological and Scientific Developmental
STD/AIDS Brazilian National Program
- 2007-2009 Head of the Consulting Committee for Diagnosis and Treatment of Tuberculosis
Ministry of Health, Brazil
- 2007-2009 President of the Brazilian Society of Tropical Medicine
- 2013-2017 Director for Teaching & Research - University Hospital (HUCAM-EBSERH)
Universidade Federal do Espírito Santo

CLINICAL EXPERIENCE

Clinical Trials Experience

1995 - FDA Phase IIb IND Clinical Trial Of Oral WR6026.2HCl In Patients With Brazilian Visceral Leishmaniasis due to *L. chagasi*: Initial Dose Range Determination For Efficacy, Safety And Tolerance.

Sponsor: Walter Reed Army Institute of Research

Responsibility: PI

1998 - FDA Phase II IND Open Label Multiple-Dose Study of the Safety and Early Bactericidal Activity of KRM 1648 (Rifalazil) in the Treatment of Newly Diagnosed Patients with Smear-Positive Pulmonary TB.

Sponsor: NIH TBRU and Pathogenesis Corporation (PI - Ellner JJ) Boston University Medical Center - USA.

Responsibility: Site PI

2000 - FDA IND Phase II Multicentric A 2-arm, double-blind, randomized, parallel group study to evaluate two doses (500mg vs 1000mg) of Lamisil® in subjects with cutaneous or lymph cutaneous Sporotrichosis, during a treatment period of up to 6 months maximum, with a 6 month follow-up.

Sponsor: Novartis

Responsibility: PI

2003 - FDA IND Phase II - Randomized, open label, multiple dose phase I study of the early bactericidal activity of levofloxacin, gatifloxacin, and moxifloxacin in HIV-non-infected adults with initial episodes of sputum smear-positive pulmonary TB.

Sponsor: NIH - TBRU (PI - Ellner JJ) Boston University Medical Center - USA
Responsibility: Site PI

2005 - FDA Phase III Multicenter - A Prospective Study of Shortening the Duration of Standard Short Course Chemotherapy from 6 Months to 4 Months in HIV-non-infected Patients with Fully Drug-Susceptible, Non-cavitary Pulmonary TB with Negative Sputum Cultures after 2 Months of Anti-TB Treatment.

Sponsor: NIH-TBRU (PI - Ellner JJ) Boston University Medical Center - USA
Responsibility: Site PI

2005 - FDA IND Phase II - Randomized, open label, multiple dose phase I study of the early bactericidal activity of linezolid in HIV-non-infected adults with initial episodes of sputum smear-positive pulmonary TB.

Sponsor: NIH-TBRU (PI - Ellner JJ) Boston University Medical Center - USA
Responsibility: Site PI

2006 - Phase II Open Label Multicentric Clinical Trial to Assess Efficacy and Safety of Orally Administered Miltefosine in Brazilian Patients with Visceral Leishmaniasis.

Sponsor: WHO-TDR and Zentaris GMH
Responsibility: PI

2007-2013 - ICIDR - US-Brazil Research Collaboration on Strain Variation in TB.

NIH-NIAID - U01 AI065663-01 (PI - Ellner JJ) Boston University Medical Center - USA

Responsibility: Site PI

This was an observational household contact study design, performed in Vitória, ES Brazil, with the objective to evaluate the role of *M. tuberculosis* immunogenetic differences on the risk of infection and disease.

Responsibility - Site PI

2009-2016 - Tuberculosis Clinical Diagnostics Research Consortium (TB-CDRC).

NIH-NIAID-DMIS-NIH-AI2008026 (PI - Susan Dorman) John's Hopkins University - USA

Responsibility - Site PI

This contract established a multicentric international network of sites and investigators to evaluate new TB diagnostics in its early developmental phase with promising initial results. Target diagnostic population included the entire clinical spectrum of Tuberculosis including TB in children and adults, in HIV infected patients and drug-resistance.

2010 - Randomized Controlled Clinical Trial to Assess Efficacy and Safety of Miltefosine in the Treatment of Cutaneous Leishmaniasis Caused by *Leishmania (Viannia) guyanensis* in Manaus, Brazil.

Sponsor: FINEP/Brazil (project no. 3726/05)

Responsibility: PI

2010-CYD30 - Dengue Vaccine: "Immunogenicity and Safety of CYD Dengue Vaccine in Healthy Children and Adolescents Aged 9 to 16 years in South America".

Sponsor: Sanofi Pasteur

Responsibility: PI and Country Coordinator Center

2010-2015 - ICIDR - US-Brazil Research Collaboration on Biomarkers in TB

NIH-NIAID - U01 AI 65663-06 - (PI - Ellner JJ), Boston University Medical Center - USA

Responsibility: Brazil Site PI

This study, an extension of the first ICIDR listed above, also used a household contact study design and a longitudinal cohort in Vitória, Brazil to determine the host immune kinetics before and after *M. tuberculosis* infection, to search for biomarkers associated with TB recurrence.

2011... CYD15 Dengue Vaccine: "Randomized, double-blind, placebo-controlled, multi-center, Phase III trial in 20,875 subjects. Subjects will receive 3 vaccinations (Day 0, Day 0 + 6 months, Day 0 + 12 months), with an efficacy follow-up of 13 months after Dose 3 and a follow-up for hospitalized dengue cases of 36 months after dose 3"

Sponsor: Sanofi Pasteur

Responsibility: PI and Country Coordinator Center

2014-2015 - Evaluation of Non-Inferiority of Two Fast Follower Nucleic Acid Amplification Tests for the Diagnosis of Pulmonary Tuberculosis in Comparison to GeneXpert MTB/RIF

Responsibility - Site PI

NIH-NIAID-DMID Protocol Number: 13-0017 (PI - Susan Dorman) John's Hopkins University - USA

Funding Mechanism: N01AI90500C

Responsibility: Brazil Site PI

2015-2021 - Biomarkers and Mechanisms of Paucibacillary and Latent Tuberculosis

NIH-NIAID - U19AI111276 Ellner (PI) Boston University Medical Center - USA Responsibility: Brazil Site PI

To identify and validate biomarkers that can predict which patients are at high risk of progressing from latent TB infection (LTBI) to active disease.

Responsibility: Brazil Site PI

2016... Phase III, Randomized, double-blind, placebo-controlled, multi-center to investigate the efficacy of a novel tetravalent dengue in the age group of 4 to 16 years old.

Sponsor: Takeda

Responsibility: PI and Country Coordinator Center

Training

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| 1983
(Oct) | Short Course. "Methods in Clinical Epidemiology"
By McMaster University, Canada; Ministry of Education; National Council for Scientific and Technological Development. Brasília, DF, Brazil. 2-6 Oct |
| 1985
(Jul-Ago) | Short Course. "Tropical Medicine", Walter Reed Army Institute of Research, Washington, DC, USA. |
| 1989
(Sep) | Seminar on Epidemiology, Biostatistics and Infectious Diseases
Center for Diseases Control, Atlanta, GA, USA, 18-29 Sep. |
| 1989
(Oct-Nov) | Pfizer/USAID/Partners of the Americas Fellowship in Infectious Diseases
at Marshall University, WV, and NIH, MD, USA. |
| 1993
(Aug) | Good Clinical Practices Course. The Center for Professional
Advancement. Chicago IL., 3-5 Aug. |
| 1994
(Oct) | Short Course. Clinical Research Training Program. Department of
Medicine, Duke University Medical Center. |
| 2006
(Jan) | The Fundamentals of International Clinical Research Workshop (NIH-FHI)
Buenos Aires, Argentina, 16-20 |

- 2011** The Fundamental of International Clinical Research Workshop (NIH-FHI)
(Jan) Vitória, E.S., Brazil, 15-19
- 2016** The Fundamentals of International Clinical Research Workshop (NIH-FHI 360)
(Apr) Buenos Aires, Argentina, 24-29
- 2016** Study Design and Biostatistics Training (NIH-FHI 360)
(Sept) Bangkok, Thailand, 12-16

PUBLICATIONS

Book Co-editor

Veronesi R, ed., Focaccia R, **Dietze R**, Co-eds. Doenças Infecciosas e Parasitárias. 8th Edition, Rio de Janeiro, Guanabara Koogan, 1991

Book Chapters:

Dietze R. Leishmaniose Tegumentar Americana In: Fundamentos em Infectologia. Rio de Janeiro : Editora Rubio Ltda, 2009, v.1, p. 797-820.

Dietze R. Riquetsioses In: Fundamentos em Infectologia ed.Rio de Janeiro : Editora Rubio Ltda, 2009, v.1, p. 671-681.

Dietze R, Hadad DJ, Pereira FEL, Ribeiro-Rodrigues, R. Tuberculose In: Fundamentos em Infectologia. Rio de Janeiro: Editora Rubio Ltda, 2009, v.1, p. 703-738.

Dietze R, Moussallen TM. Infecção por Pneumocystis Carinii In: Tratado de Clínica Médica. 1ª ed. São Paulo : Editora Rocca, 2006, v.3, p. 4150-4155.

Dietze R. Leishmaniose. In: Condutas em Infectologia. 1ª ed. São Paulo - SP: Editora Atheneu, 2004, v.1, p. 311-322.

Dietze R. Leishmaniose Tegumentar Americana. In: Medicina Tropical. 1ª ed. São Paulo: Editora Atheneu, 2003, v.1, p. 85-103

Dietze R, Carvalho SFG. Leishmaniose Visceral - Calazar. In: Medicina Tropical. 1ª ed. São Paulo: Editora Atheneu, 2003, v.1, p. 65-84.

Dietze R, Sexton DJ. Rickettsioses In: Doenças Infecciosas: Conduta Diagnóstica e Terapêutica. 2ª ed. Rio de Janeiro: Editora Guanabara Koogan 1998, v.1, p. 178-182.

Dietze R. Dengue. In: Veronesi, R., ed. "Doenças Infecciosas e Parasitárias" 8ª ed. Rio de Janeiro: Editora Guanabara Koogan, 1991

Kay D, **Dietze, R**. Endocardite Infecciosa. In: Veronesi, R. "Doenças Infecciosas e Parasitárias. 8ª ed. Rio de Janeiro: Editora Guanabara Koogan, 1991.

Dietze R. Estreptococcias. In: Veronesi, R. "Doenças Infecciosas e Parasitárias. 8ª ed. Rio de Janeiro: Guanabara Koogan, 1991

Alencar, JE, Neves, J, **Dietze, R.** Leishmaniose Visceral (Calazar) In: Veronesi, R., ed., "Doenças Infecciosas e Parasitárias" 8ª. ed. Rio de Janeiro: Editora Guanabara Koogan, 1991

Peer Reviewed Journals

1. Covre LP, Martins RF, Devine OP, Chambers ES, Vukmanovic-Stejic M, Silva JA, **Dietze R**, Rodrigues RR, de Matos Guedes HL, Falqueto A, Akbar AN, Gomes DCO. Circulating Senescent T Cells Are Linked to Systemic Inflammation and Lesion Size During Human Cutaneous Leishmaniasis. *Front Immunol* 4;9:3001. doi: 10.3389/fimmu.2018.03001, 2019.
2. Acuña-Villaorduña C, Schmidt-Castellani LG, Marques-Rodrigues P, White LF, Hadad DJ, Gaeddert M, Ellner JJ, Fennelly KP, Palaci M, **Dietze R**, Jones-López EC. Cough-aerosol cultures of Mycobacterium tuberculosis in the prediction of outcomes after exposure. A household contact study in Brazil. *PLoS One*. 29;13(10):e0206384. doi: 10.1371/journal.pone.0206384, 2018.
3. Carnielli JBT, Crouch K, Forrester S, Silva VC, Carvalho SFG, Damasceno JD, Brown E, Dickens NJ, Costa DL, Costa CHN, **Dietze R**, Jeffares DC, Mottram JC. A Leishmania infantum genetic marker associated with miltefosine treatment failure for visceral leishmaniasis. *EBioMedicine*. 36:83-91. doi: 10.1016/j.ebiom.2018.09.029, 2018.
4. Nascimento CPD, Hadad DJ, Castellani LGS, Almeida Júnior PS, **Dietze R**, Palaci M. Sputum sample collected over a period of 5 h: A reliable procedure for early bactericidal activity studies. *Diagn Microbiol Infect Dis*. 92(1):25-30. doi: 10.1016/j.diagmicrobio.2018.04.013, 2018.
5. Fernandes P, Ma Y, Gaeddert M, Tsacogianis T, Marques-Rodrigues P, Fregona G, Loomans A, Jones-López EC, **Dietze R**, Ellner JJ, White LF, Hochberg NS. Sex and age differences in Mycobacterium tuberculosis infection in Brazil. *Epidemiol Infect*. 146(12):1503-1510. doi: 10.1017/S0950268818001450, 2018.
6. Colangeli R, Jedrey H, Kim S, Connell R, Ma S, Chippada Venkata UD, Chakravorty S, Gupta A, Sizemore EE, Diem L, Sherman DR, Okwera A, **Dietze R**, Boom WH, Johnson JL, Mac Kenzie WR, Alland D; DMID 01-009/Tuberculosis Trials Consortium Study 22 Teams. Bacterial Factors That Predict Relapse after Tuberculosis Therapy. *N Engl J Med*. 30;379(9):823-833. doi: 10.1056/NEJMoa1715849, 2018.
7. Oliveira SBV, Passos AF, Hadad DJ, Zbyszynski L, de Almeida Júnior PS, Castellani LGS, **Dietze R**, Palaci M. The impact of ocular tuberculosis on vision after two months of intensive therapy. *Braz J Infect Dis*. 22(3):159-165. doi: 10.1016/j.bjid.2018.03.005, 2018.
8. Premkumar L, Collins M, Graham S, Liou GA, Lopez CA, Jadi R, Balmaseda A, Brackbill JA, **Dietze R**, Camacho E, De Silva AD, Giuberti C, Dos Reis HL, Singh T, Heimsath H, Weiskopf D, Sette A, Osorio JE, Permar SR, Miley MJ, Lazear HM, Harris E, de Silva AM. Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. *J Clin Microbiol*. 22;56(3). pii: e01504-17. doi: 10.1128/JCM.01504-17, 2018.
9. Vieira FT, Acosta ICL, Martins TF, Filho JM, Krawczak FDS, Barbieri ARM, Egert L, Fernandes DR, Braga FR, Labruna MB, **Dietze R**. Tick-borne infections in dogs and horses in the state of Espírito Santo, Southeast Brazil. *Vet Parasitol*. 15;249:43-48. doi: 10.1016/j.vetpar.2017.11.005, 2018.

10. Dorman SE, Schumacher SG, Alland D, Nabeta P, Armstrong DT, King B, Hall SL, Chakravorty S, Cirillo DM, Tukvadze N, Bablshvili N, Stevens W, Scott L, Rodrigues C, Kazi MI, Joloba M, Nakiyingi L, Nicol MP, Ghebrekristos Y, Anyango I, Murithi W, **Dietze R**, Lyrio Peres R, Skrahina A, Auchynka V, Chopra KK, Hanif M, Liu X, Yuan X, Boehme CC, Ellner JJ, Denkinger CM; study teamXpert. MTB/RIF Ultra for detection of *Mycobacterium tuberculosis* and rifampicin resistance: a prospective multicentre diagnostic accuracy study. *Lancet Infect Dis.* 18(1):76-84. doi: 10.1016/S1473-3099(17)30691-6, 2018.
11. Acuña-Villaorduña C, Jones-López EC, Fregona G, Marques-Rodrigues P, Gaeddert M, Geadas C, Hadad DJ, White LF, Pereira Dutra Molina L, Vinhas S, Ribeiro-Rodrigues R, Salgame P, Palaci M, Alland D, Ellner JJ, **Dietze R**. Intensity of exposure to pulmonary tuberculosis determines risk of tuberculosis infection and disease. *Eur Respir J.* 51(1):1701578, 2018.
12. Vieira FT, Acosta ICL, Martins TF, Filho JM, Krawczak FDS, Barbieri ARM, Egert L, Fernandes DR, Braga FR, Labruna MB, **Dietze R**. Tick-borne infections in dogs and horses in the state of Espírito Santo, Southeast Brazil. *Vet Parasitol.* 15;249:43-48, 2018.
13. Jones-López EC, Acuña-Villaorduña C, Fregona G, Marques-Rodrigues P, White LF, Hadad DJ, Dutra-Molina LP, Vinhas S, McIntosh AI, Gaeddert M, Ribeiro-Rodrigues R, Salgame P, Palaci M, Alland D, Ellner JJ, **Dietze R**. Incident *Mycobacterium tuberculosis* infection in household contacts of infectious tuberculosis patients in Brazil. *BMC Infect Dis.* 17(1):576, 2017.
14. Vinhas SA, Jones-López EC, Ribeiro Rodrigues R, Gaeddert M, Peres RL, Marques-Rodrigues P, de Aguiar PPL, White LF, Alland D, Salgame P, Hom D, Ellner JJ, **Dietze R**, Collins LF, Shashkina E, Kreiswirth B, Palaci M. Strains of *Mycobacterium tuberculosis* transmitting infection in Brazilian households and those associated with community transmission of tuberculosis. *Tuberculosis (Edinb)* 104:79-86, 2017.
15. McIntosh AI, Doros G, Jones-López EC, Gaeddert M, Jenkins HE, Marques-Rodrigues P, Ellner JJ, **Dietze R**, White LF. Extensions to Bayesian generalized linear mixed effects models for household tuberculosis transmission. Publish ahead of print. *Stat Med.* 2017
16. Shenai S, Armstrong DT, Valli E, Dolinger DL, Nakiyingi L, **Dietze R**, Dalcolmo MP, Nicol MP, Zemanay W, Manabe Y, Hadad DJ, Marques-Rodrigues P, Palaci M, Peres RL, Gaeddert M, Armakovitch S, Nonyane BA, Denkinger CM, Banada P, Joloba ML, Ellner J, Boehme C, Alland D, Dorman SE. Analytical and Clinical Evaluation of the Epistem Genedrive Assay for Detection of *Mycobacterium tuberculosis*. *J Clin Microbiol.* 54(4):1051-7, 2016
17. Madico G, Mpeirwe M, White L, Vinhas S, Orr B, Orikiriza P, Miller NS, Gaeddert M, Mwangi-Amumpaire J, Palaci M, Kreiswirth B, Straight J, **Dietze R**, Boum Y 2nd, Jones-López EC. Detection and Quantification of *Mycobacterium tuberculosis* in the Sputum of Culture-Negative HIV-infected Pulmonary Tuberculosis Suspects: A Proof-of-Concept Study. *PLoS One.* 11(7):e0158371, 2016.
18. Sarnágliá GD, Covre LP, Pereira FE, DE Matos Guedes HL, Faria AM, **Dietze R**, Rodrigues RR, Maioli TU, Gomes DC. Diet-induced obesity promotes systemic inflammation and increased susceptibility to murine visceral leishmaniasis. *Parasitology.* 143(12):1647-55, 2016.
19. Hadinegoro SR, Arredondo-García JL, Capeding MR, Deseda C, Chotpitayasunondh T, **Dietze R**, Muhammad Ismail HI, Reynales H, Limkittikul K, Rivera-Medina DM, Tran HN, Bouckennooghe A, Chansinghakul D, Cortés M, Fanouillere K, Forrat R, Frago C, Gailhardou S, Jackson N, Noriega F, Plennevaux E, Wartel TA, Zambrano B, Saville M. CYD-TDV Dengue Vaccine

- Working Group. Efficacy and Long-Term Safety of a Dengue Vaccine in Regions of Endemic Disease. *N Engl J Med* 373(13):1195-206, 2015.
20. Dayan G Arredondo JL, Carrasquilla G, Deseda CC, **Dietze R**, Luz K, Costa MS, Cunha RV, Rey LC, Morales J, Reynales H, Miranda M, Zambrano B, Rivas E, Garbes P, Noriega F. Prospective cohort study with active surveillance for fever in four dengue endemic countries in Latin America. *Am J Trop Med Hyg.* 93(1):18-23, 2015.
 21. Villar L, Dayan GH, Arredondo-García JL, Rivera DM, Cunha R Deseda C, Reynales H, Costa MS, Morales-Ramírez JO, Carrasquilla G, Rey LC, **Dietze R**, Luz K, Rivas E, Miranda Montoya MC, Cortés Supelano M, Zambrano B, Langevin E, Boaz M, Tornieporth N, Saville M, Noriega F; CYD15 Study Group. Efficacy of a tetravalent dengue vaccine in children in Latin America. *N Engl J Med.* 372(2):113-23, 2015.
 22. Carnielli JB, de Andrade HM, Pires SF, Chapeaurouge AD, Perales J, Monti-Rocha R, Carvalho SF, Ribeiro LP, **Dietze R**, Figueiredo SG, Lemos EM. Proteomic analysis of the soluble proteomes of miltefosine-sensitive and -resistant Leishmania infantum chagasi isolates obtained from Brazilian patients with different treatment outcomes. *J Proteomics.* 108:198-208, 2014.
 23. Jones-López E, Manabe YC, Palaci M, Kayiza C, Armstrong D, Nakiyingi L, Ssengooba W, Gaeddert M, Kubiak R, Almeida Júnior P, Alland D, **Dietze R**, Joloba M, Ellner JJ, Dorman SE. Prospective cross-sectional evaluation of the small membrane filtration method for diagnosis of pulmonary tuberculosis. *J Clin Microbiol* 52(7):2513-20, 2014
 24. Jones-López EC, Kim S, Fregona G, Marques-Rodrigues P, Hadad DJ, Molina LP, Vinhas S, Reilly N, Moine S, Chakravorty S, Gaeddert M, Ribeiro-Rodrigues R, Salgame P, Palaci M, Alland D, Ellner JJ, **Dietze R**. Importance of cough and M. tuberculosis strain type as risks for increased transmission within households. *PLoS One* 9(7):e100984, 2014
 25. Ribeiro-Rodrigues R, Kim S, Coelho da Silva FD, Uzelac A, Collins L, Palaci M, Alland D, **Dietze R**, Ellner JJ, Jones-López E, Salgame P. Discordance of tuberculin skin test and interferon gamma release assay in recently exposed household contacts of pulmonary TB cases in Brazil. *PLoS One.* 2014 May 12;9(5):e96564.
 26. Dayan GH1, Garbes P, Noriega F, Izoton de Sadovsky AD, Rodrigues PM, Giuberti C, **Dietze R**. Immunogenicity and safety of a recombinant tetravalent dengue vaccine in children and adolescents ages 9-16 years in Brazil. *Am J Trop Med Hyg.* 89:1058-65, 2013.
 27. Palaci M, Perez RL, Maia R, Cunha, EAT, Ribeiro MO, Lecco R, De Souza Riberiro C, Ferro e Silva A RR, Vinhas, SA, **Dietze R**, Vianna S, De Moraes, CGV. Contribution of the Ogawa-Kudoh swab culture method to the diagnosis of pulmonary tuberculosis in Brazil. *The International Journal of Tuberculosis and Lung Disease.* 17:782-786, 2013.
 28. Quinco P, Buhrer-Sekula S, Brandao W, Monte R., Leopoldina SS, Saraceni,V, Palaci M, **Dietze R**, Cordeiro-Santos M. Increased Sensitivity in the Diagnosis of Tuberculosis in HIV- positive Patients through Small Membrane Filter Method of Microscopy. *J Clin Microbiol.* 51:2921-5, 2013
 29. Vinhas SA, Palaci M, Marques HS, Lobo de Aguiar PP, Ribeiro FK, Peres RL, **Dietze R**, Gomes HM, Suffys PN, Golub JE, Riley LW, Maciel EL. Mycobacterium tuberculosis DNA fingerprint

- clusters and its relationship with RD (Rio) genotype in Brazil. Tuberculosis (Edinb) 93(2):207-12, 2013.
30. Maciel EL, Brioschi AP, Peres RL, Guidoni LM, Ribeiro FK, Hadad DJ, Vinhas SA, Zandonade E, Palaci M, **Dietze R**, Johnson JL. Smoking and 2-month culture conversion during anti-tuberculosis treatment. The International Journal of Tuberculosis and Lung Disease 17:225-228, 2013.
 31. Santana SS, Silva DA, Vaz LD, Pirovani CP, Barros GB, Lemos EM, **Dietze R**, Mineo JR, Cunha-Junior JP. Analysis of IgG subclasses (IgG1 and IgG3) to recombinant SAG2A protein from Toxoplasma gondii in sequential serum samples from patients with toxoplasmosis. Immunology Letters. 143:193 -201, 2012.
 32. Hadad DJ, Morais CG, Vinhas SA, Fennelly KP, **Dietze R**, Nascimento CP, Palaci M. Evaluation of Processing Methods To Equitably Aliquot Sputa for Mycobacterial Testing. J. Clin. Microbiol. 50:1440-1442, 2012.
 33. Tonini MA, Lemos EM, Reis AB, Vital WC, Dias ES, **Dietze R**. First description of autochthonous canine visceral leishmaniasis in the metropolitan region of Vitória, State of Espírito Santo, Brazil. Rev. Soc. Bras. Med. Trop. 45: 754-756, 2012.
 34. Segatto M, Ribeiro LS, Costa DL, Costa CH, Oliveira MR, Carvalho SF, Macedo AM, Valadares HM, **Dietze R**, Brito CF, Lemos EM. Genetic diversity of Leishmania infantum field populations from Brazil. Mem Inst Oswaldo Cruz 107(1):39-47, 2012
 35. Silva-dos-Santos PP, Barros GB, Mineo JR, de Oliveira Silva DA, Menegaz MH, Serufo JC, **Dietze R**, Martins-Filho OA, Lemos EM. Flow cytometry-based algorithm to analyze the anti-fixed Toxoplasma gondii tachyzoites IgM and IgG reactivity and diagnose human acute toxoplasmosis. Journal of Immunological Methods. 378: 33-43, 2012.
 36. D Pinto Ide S, Ferreira AL, Valim V, Carvalho Fdos S, da Silva GM, Falcão AL, **Dietze R**, Falqueto. Sandfly vectors (Diptera, Psychodidae) of American visceral leishmaniasis areas in the Atlantic Forest, State of Espírito Santo, southeastern Brazil. Journal of Vector Ecology. 37:90-96, 2012.
 37. Fennelly KP, Morais CG, Hadad DJ, Vinhas S, **Dietze R**, Palaci M. The Small Membrane Filter Method of Microscopy to Diagnose Pulmonary Tuberculosis. Journal of Clinical Microbiology 50(6):2096-9, 2012.
 38. Bark CM, **Dietze R**, Okwera A, Quelapio MI, Thiel BA, Johnson JL. Clinical symptoms and microbiological outcomes in tuberculosis treatment trials. Tuberculosis (Edinb) 91(6):601-4, 2011
 39. Peres RL, Palaci M, Loureiro RB, Dietze R, Johnson JL, Golub JE, Ruffino-Netto A, Maciel EL. Evaluation of oral antiseptic rinsing before sputum collection to reduce contamination of mycobacterial cultures. J Clin Microbiol 49(8):3058-60, 2011.
 40. Miranda AE, **Dietze R**, Maciel EL, Prado TN, Caus AL, Silva MM, Golub JE. Tuberculosis and AIDS co-morbidity in children: linkage of databases from Espírito Santo State, Brazil. J Trop Pediatr 57(4):296-8, 2011.

41. Prado TN, Wada N, Guidoni LM, Golub JE, **Dietze R**, Maciel EL. Cost-effectiveness of community health worker versus home-based guardians for directly observed treatment of tuberculosis in Vitória, Espírito Santo State, Brazil. *Cad Saude Publica* 27(5):944-52, 2011.
42. Sesana AM, Monti-Rocha R, Vinhas SA, Morais CG, **Dietze R**, Lemos EM. In vitro activity of amphotericin B coxleates against Leishmania chagasi. *Mem Inst Oswaldo Cruz.* 106(2):251-3, 2011.
43. Chrusciak-Talhari A, **Dietze R**, Chrusciak Talhari C, da Silva RM, Gadelha Yamashita EP, de Oliveira Penna G, Lima Machado PR, Talhari S. Randomized controlled clinical trial to access efficacy and safety of miltefosine in the treatment of cutaneous leishmaniasis Caused by Leishmania (Viannia) guyanensis in Manaus, Brazil. *Am J Trop Med Hyg* 84(2):255-60, 2011.
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Relevant Publications:

- ✚ Carnielli JBT, Crouch K, Forrester S, Silva VC, Carvalho SFG, Damasceno JD, Brown E, Dickens NJ, Costa DL, Costa CHN, **Dietze R**, Jeffares DC, Mottram JC. A Leishmania infantum genetic marker associated with miltefosine treatment failure for visceral leishmaniasis. EBioMedicine. 36:83-91. doi: 10.1016/j.ebiom.2018.09.029, 2018.

This paper identified a *Leishmania infantum* Miltefosine Sensitivity Locus. Human infections with strain that lack this locus have a higher chance to relapse after miltefosine treatment.

- ✦ Colangeli R, Jedrey H, Kim S, Connell R, Ma S, Chippada Venkata UD, Chakravorty S, Gupta A, Sizemore EE, Diem L, Sherman DR, Okwera A, **Dietze R**, Boom WH, Johnson JL, Mac Kenzie WR, Alland D; DMID 01-009/Tuberculosis Trials Consortium Study 22 Teams. Bacterial Factors That Predict Relapse after Tuberculosis Therapy. *N Engl J Med*. 30;379(9):823-833. doi: 10.1056/NEJMoa1715849, 2018.

This paper demonstrates that in pretreatment isolates of *M. tuberculosis* with decrements of MIC values of isoniazid or rifampin below standard resistance breakpoints, higher MIC values were associated with a greater risk of relapse than lower MIC values.

- ✦ Chrusciak-Talhari A, **Dietze R**, Chrusciak Talhari C, da Silva RM, Gadelha Yamashita EP, de Oliveira Penna G, Lima Machado PR, Talhari S. Randomized controlled clinical trial to access efficacy and safety of miltefosine in the treatment of cutaneous leishmaniasis Caused by *Leishmania (Viannia) guyanensis* in Manaus, Brazil. *Am J Trop Med Hyg* 84(2):255-60, 2011.

This paper showed that miltefosine, the first antileishmania oral drug used to treat visceral leishmaniasis in India has also a good efficacy on the treatment of cutaneous leishmaniasis caused by *Leishmania (Viannia) guyanensis*.

- ✦ Johnson JL, Hadad DJ, Boom WH, Daley CL, Peloquin CA, Eisenach KD, Jankus DD, Debanne SM, Charlebois ED, Maciel E, Palaci M, **Dietze R**. Early and extended early bactericidal activity of levofloxacin, gatifloxacin and moxifloxacin in pulmonary tuberculosis. *Int J Tuberc Lung Dis* 10(6):605-12, 2006.

This paper defined that moxifloxacin had the best activity against *M. tuberculosis* among the three main quinolones.

- ✦ Teixeira L, Perkins MD, Johnson JL, Keller R, Palaci M, do Valle Dettoni V, Canedo Rocha LM, Debanne S, Talbot E, **Dietze R**. Infection and disease among household contacts of patients with multidrug-resistant tuberculosis. *Int J Tuberc Lung Dis* 5(4):321-8, 2001.

This paper showed that the transmission of MDR tuberculosis was not rare as previously thought.

- ✦ **Dietze R**, Barros GB, Teixeira L, Harris J, Michelson K, Falqueto A, Corey R. Effect of eliminating seropositive canines on the transmission of visceral leishmaniasis in Brazil. *Clin Infect Dis* 25(5):1240-2, 1997.

This paper showed that, in Brazil, the elimination of infected dogs, has no impact on the transmission of human visceral leishmaniasis.

- ✦ **Dietze R**, Fagundes SM, Brito EF, Milan EP, Feitosa TF, Suassuna FA, Fonschiffrey G, Ksionski G, Dember J. Treatment of kala-azar in Brazil with Amphocil (amphotericin B cholesterol dispersion) for 5 days. *Trans R Soc Trop Med Hyg* 89(3):309-11, 1995.

This paper was the first to show that Visceral Leishmaniasis could be treat with a short course therapy (5 days), with a new formulation of Amphotericin B entrapped in cholesterol molecules.

LANGUAGES

English - Fluent
Spanish - Intermediate

Lisbon, 5 February, 2019

A handwritten signature in black ink, appearing to read 'Reynaldo Dietze'. The signature is written in a cursive style with a large, prominent 'R' at the beginning.

Reynaldo Dietze