



Russell Edward Lewis

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About me:

I am a Associate Professor of Infectious Diseases (MED/17) in the Department of Molecular Medicine at the University of Padua. I earned my Doctor of Pharmacy (Pharm.D.) degree from the University of Kansas, followed by post-graduate clinical residency training at Barnes-Jewish Hospital in St. Louis, Missouri. I then completed an infectious diseases research fellowship at the University of Iowa in Iowa City, Iowa with a focus on antifungal pharmacology.

I have over 20 years experience in laboratory and clinical research of antimicrobial pharmacokinetics and pharmacodynamics in immunocompromised hosts. My current research focuses on the development of prognostic risk models and decision support tools for the diagnosis and treatment of fungal infections and multi-drug resistant bacteria. I also serve as a Senior PK/PD Editor for the Journal of Antimicrobial Chemotherapy- the official journal of the British Society for Antimicrobial Chemotherapy.

WORK EXPERIENCE

01/02/2023 – CURRENT Padua/Treviso, Italy

ASSOCIATE PROFESSOR OF INFECTIOUS DISEASES, DIPARTIMENTO MEDICINE MOLECOLARE (DMM) UNIVERSITÀ DEGLI STUDI DI PADOVA

1. Teaching medical studies and physicians completing Infectious Diseases specialization training
2. Supervising research and thesis of medical/graduate studies and medical doctors completing specialization training in Infectious Diseases
3. Epidemiological research/ Development of decision support tools for individualized patient risk assessment and antimicrobial dosing

30/09/2013 – 30/01/2023 Bologna, Italy

ASSOCIATE PROFESSOR OF INFECTIOUS DISEASES, DIPARTIMENTO DI SCIENZE MEDICHE E CHIRURGICHE (DIMEC) A LMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

1. Teaching medical studies and physicians completing Infectious Diseases specialization training
2. Supervising research and thesis of medical/graduate studies and medical doctors completing specialization training in Infectious Diseases
3. Epidemiological research/ Development of decision support tools for individualized patient risk assessment and antimicrobial dosing

31/08/2011 – 31/08/2012 Houston, Texas, United States

FULL PROFESSOR OF CLINICAL PHARMACY WITH TENURE, DEPARTMENT OF CLINICAL AND EXPERIMENTAL SCIENCES UNIVERSITY OF HOUSTON COLLEGE OF PHARMACY

1. Teaching pharmacy and medical students and Infectious Diseases Clinical Fellows
2. Supervising clinical pharmacy interns and residents on the Infectious Diseases Consultation Service, at The University of Texas M.D. Anderson Cancer Center
3. Managed and funded a research laboratory the performed preclinical research of antimicrobial pharmacokinetics/pharmacodynamics and animal model testing funded between 125-500,000 dollars/year
4. Trained post-doctoral research fellows and residents
5. Administrative responsibilities including interim Department Chair (2005-2007) for 35 full-time faculty and 6 administrative staff
6. Participation and service as chair of various college and University committees and strategic planning initiatives

31/08/2005 – 31/08/2011 Houston, Texas, United States

ASSOCIATE PROFESSOR WITH TENURE, DEPARTMENT OF CLINICAL AND EXPERIMENTAL SCIENCES UNIVERSITY OF HOUSTON COLLEGE OF PHARMACY

1. Teaching pharmacy and medical students and Infectious Diseases Clinical Fellows
2. Supervising clinical pharmacy interns and residents on the Infectious Diseases Consultation Service, at The University of Texas M.D. Anderson Cancer Center
3. Managed and funded a research laboratory the performed preclinical research of antimicrobial pharmacokinetics/pharmacodynamics and animal model testing funded between 125-500,000 dollars/year
4. Trained post-doctoral research fellows and residents
5. Administrative responsibilities including interim Department Chair (2005-2007) for 35 full-time faculty and 6 administrative staff
6. Participation and service as chair of various college and University committees and strategic planning initiatives

31/08/1999 – 31/08/2005 Houston, Texas, United States

ASSISTANT PROFESSOR OF CLINICAL PHARMACY UNIVERSITY OF HOUSTON COLLEGE OF PHARMACY

- Teaching pharmacy and medical students and Infectious Diseases Clinical Fellows
- Supervising clinical pharmacy interns and residents on the Infectious Diseases Consultation Service, at The University of Texas M.D. Anderson Cancer Center
- Developing a preclinical and clinical research program and laboratory in infectious diseases with a specific focus on antifungal pharmacology
- Trained post-doctoral research fellows and residents
- Service responsibilities on college committees

31/08/1999 – 31/08/2011 Houston, Texas, United States

CLINICAL PHARMACIST/PHARMACOLOGIST- INFECTIOUS DISEASES CONSULTATION SERVICE THE UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER

- 6 months coverage per year (with two other faculty) of clinical pharmacy services for infectious diseases inpatient consultation services
- Training of pharmacy interns, residents and medical infectious diseases specialists
- Clinical trial screening and enrollment
- Epidemiological analysis, statistical support and research and project development of Infectious Diseases fellows
- Laboratory supervision and project development of Infectious Diseases fellows
- Inservice and teaching for the Infectious Diseases training programs affiliated with the University of Texas and Baylor College of Medicine

● EDUCATION AND TRAINING

31/08/1990 – 31/08/1996 Lawrence, United States

DOCTOR OF CLINICAL PHARMACY/ PHARMACOLOGY (PHARM.D.) University of Kansas School of Pharmacy

Address Lawrence, United States | **Website** <https://pharmacy.ku.edu/>

30/06/1996 – 30/06/1997 St. Louis,, United States

RESIDENCY IN CLINICAL PHARMACOLOGY Barnes- Jewish Hospital- Washington University Medical Center

Address St. Louis,, United States | **Website** <https://www.barnesjewish.org/>

30/06/1997 – 30/06/1999 Iowa City, Iowa, United States

RESEARCH FELLOWSHIP, INFECTIOUS DISEASES University of Iowa Colleges of Pharmacy and Medicine

Address Iowa City, Iowa, United States | **Website** <https://uiowa.edu/>

● LANGUAGE SKILLS

Mother tongue(s): **ENGLISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ITALIAN	B2	B1	B1	B1	A2

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
GERMAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

R / R Studio / R Markdown | Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google

ADDITIONAL INFORMATION

SELECTED RECENT PUBLICATIONS

24/05/2022 – CURRENT

Recent Publications (Selected from 307 Scopus publications, 16,082 citations, H-Index: 72)

1. Stemler J, de Jonge N, Skoetz N, Sinkó J, Brüggemann RJ, Busca A, Ben-Ami R, Racil Z, Piechotta V, **Lewis RE**, Cornely OA. Antifungal prophylaxis in adult patients with acute myeloid leukaemia treated with novel targeted therapies: EHA recommendations. *The Lancet Haematology* 2022;(5):e361-e373.
2. Brüggemann RJ, Verheggen R, Boerrigter E, Stanzani M, Verweij PE, Blijlevens NMA, **Lewis RE**. Management of drug–drug interactions of targeted therapies for haematological malignancies and triazole antifungal drugs. *The Lancet Haematology*. 2022;9(1):e58–72.
3. Verweij PE, Brüggemann RJM, Azoulay E, Bassetti M, Blot S, Buil JB, Calandra T, Chiller T, Clancy CJ, Cornely OA, Depuydt P, Koehler P, Lagrou K, de Lange D, Lass-Flörl C, **Lewis RE**, Lortholary O, Liu P-WL, Maertens J, Nguyen MH, Patterson TF, Rijnders BJA, Rodriguez A, Rogers TR, Schouten JA, Wauters J, van de Veerdonk FL, Martin-Loeches I. Taskforce report on the diagnosis and clinical management of COVID-19 associated pulmonary aspergillosis. *Intensive Care Medicine*. 2021;47(8):819–34.
4. Stanzani M, Sassi C, **Lewis RE**, Sartor C, Rasetto G, Cavo M, Battista G. Early low-dose computed tomography with pulmonary angiography to improve the early diagnosis of invasive mould disease in patients with haematological malignancies: A pilot study. *Journal of Infection*. 2021;83(3):371–80.
5. Rinaldi M, Bartoletti M, Ferrarese A, Franceschini E, Campoli C, Coladonato S, Pascale R, Tedeschi S, Gatti M, Cricca M, Ambretti S, Siniscalchi A, Morelli MC, Cescon M, Cillo U, Di Benedetto F, Burra P, Mussini C, Cristini F, **Lewis RE**, Viale P, Giannella M. Breakthrough invasive fungal infection after liver transplantation in patients on targeted antifungal prophylaxis: A prospective multicentre study. *Transplant Infectious Disease* . 2021;23(4).
6. Lamoth F, **Lewis RE**, Kontoyiannis DP. Navigating the uncertainties of COVID-19-associated aspergillosis: A Comparison With influenza-associated aspergillosis. *Journal of Infectious Diseases*. 2021;224:1631-1640.
7. Johnson MD, **Lewis RE**, Dodds Ashley ES, Perfect JR, Kontoyiannis DP. Reply to Day et al. *Journal of Infectious Diseases*. 2021;224(9):1627–8.
8. Gudiol C, **Lewis RE**, Strati P, Kontoyiannis DP. Chimeric antigen receptor T-cell therapy for the treatment of lymphoid malignancies: is there an excess risk for infection? *The Lancet Haematology*. 2021;8(3):e216–28.
9. Giannella M, Freire M, Rinaldi M, et al. Viale P, **Lewis RE**. Development of a risk prediction model for carbapenem-resistant enterobacteriaceae infection after liver transplantation: A multinational cohort study. *Clinical Infectious Diseases*. 2021;73(4):E955–66.
10. Zaghi I, Gaibani P, Campoli C, Bartoletti M, Giannella M, Ambretti S, Viale P, **Lewis RE**. Serum bactericidal titres for monitoring antimicrobial therapy: current status and potential role in the management of multidrug-resistant Gram-negative infections. *Clinical Microbiology and Infection*. 2020;26(10):1338–44.