

Curriculum Vitae for Christopher William Robb M.D., Ph.D.

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Date and Place of Birth: December 24, 1971 Vance Air Force Base, Enid, Oklahoma

Education:

- College: Baylor University (Waco, TX), Bachelor of Science, 1990-1994 (Major-Biology/Pre-Med)
- Professional or graduate: University of Texas Medical Branch (Galveston, TX), Doctorate of Microbiology and Immunology, 1994-1999. Texas Tech University School of Medicine (Lubbock, TX), Doctor of Medicine, 1999-2003
- Postgraduate Training: Presbyterian Hospital of Dallas (Dallas, TX), Internship, Department of Internal Medicine. Chairman: Mark Feldman, M.D. 2003-2004
- Vanderbilt University Hospital (Nashville, TN) Resident, Division of Dermatology, Department of Medicine 2004-2007

Licensure and Certification:

- State in which licensed: Tennessee October 5, 2006, MD0000041766
- Specialty board: Dermatology, American Board of Dermatology August 13, 2007

Committees:

- 1989-1990 Undergraduate Research Program, Oak Ridge National Laboratory, Oak Ridge, TN. Employer: Martin Marrietta, Department of Energy. 1992-1994 Undergraduate Research Program, Department of Biology, Baylor University, Waco, TX. 2000-2001. Member, Texas Tech University Admissions Committee. 2003 Member, Ethics Review Board, Texas Tech University School of Medicine.
- American Society of Mohs Surgery Communications Committee. American Society of Laser Medicine and Surgery Membership Committee. American Academy of Dermatology Performance Measurement Task Force

Academic Appointments:

1. Vanderbilt University School of Medicine. Department of Dermatology. Volunteer Faculty. 2007-current
2. Lincoln Memorial University. DeBusk College of Osteopathic Medicine. Clinical Professor. 2015-current
3. Trevecca University Physician Assistant Program. Adjunct Clinical Faculty 2018-present.

Hospital Appointments

- 2007-Present. Staff Maury Regional Medical Center, Columbia, TN
- 2009-Present. Staff Williamson Medical Center, Franklin, TN
- 2012-Present. Staff Stonecrest Medical Center Smyrna, TN
- 2012-Present. Staff St. Thomas Rutherford Hospital, Murfreesboro TN

Employment:

- 2007- Present Spring Hill Dermatology DBA Skin and Allergy Center, Spring Hill, TN

Professional Organizations:

- Sigma Xi 1997 (elected)
- American Society of Microbiology. Member. 1997-2004
- Texas Medical Association. Member. 1999-2004
- Tennessee Medical Association. Member. 2004-Present
- American Medical Association. Member. 1999- Present
- American Academy of Dermatology. Member. 2004-Present
- Nashville Dermatology Society. Member. 2004- Present
- Tennessee Society for Laser Medicine and Surgery. Faculty. 2007-Present
- ASDS. Member. 2014-present.
- American Society for Laser Medicine and Surgery. Member. 2011-Present

Professional Activities:

Intramural:

- Committee for Career Development, U.T.M.B., Member 1999
- Department of Microbiology and Immunology Webpage Committee, U.T.M.B., Member 1997-1998
- Graduate Program Advisory Council, U.T.M.B., Member. 1998-present, elected
- Graduate Program Admissions Committee, U.T.M.B., Member 1998-1999, elected
- Texas Tech University School of Medicine Admissions Committee. 2002-2003
- Ethics Review Board, Texas Tech University School of Medicine. 2003, invited.
- Vanderbilt University School of Medicine, Division of Dermatology Admissions Committee. 2005-2007

Extramural:

- 1995-1998 Mentor, Summer Undergraduate Research Program GSBS, UTMB
- 1995-1996 Graduate Student Organization , Department of Microbiology and Immunology Representative UTMB 1995-1996, elected
- 1997 Graduate School Alumni Organization, Annual Fund Raiser, UTMB 1997

Honors and Awards

- 1994 Baylor University Award of Achievement in Research
- 1994-1996 Graduate Assistantship, Department of Microbiology and Immunology, UTMB
- 1996 James E. Beall II Memorial Scholarship
- 1997 UTMB Associates Award
- 2002 American Academy of Allergy and Immunology Chrysalis Recipient

Teaching Activities:

- 1995- Virology, Bornavirus: Concepts in Disease and Genome Structure. 1992-1993 Instructor, Human Anatomy and Physiology Laboratory, Department of Biology, Baylor University, Waco, TX. 1996-1998 Medical Microbiology (Term III) Instructor. 1997-1998 Microbial Genetics, Eukaryotic and Prokaryotic Gene Anatomy. 1998 Lecture series Microbial Molecular Techniques. 2000-2001 Instructor, Human Anatomy and Physiology, Texas Tech University School of Medicine. 2006-2007 Medical Student Teaching as part of Chief resident duties. 2007- present Assistant Professor, Division of Dermatology, Department of Internal Medicine, Vanderbilt University School of Medicine. 2015-

current: Adjunct Faculty Lincoln Memorial University SOM. Trevecca University Physicians Assistant Program.

Current Research:

- Tissue responses to radio frequency in skin laxity
- Transcutaneous medication delivery
- Tissue responses to laser and light treatments.
- Laser and light treatments of Skin disorders
- Radiofrequency micro needling devices

Publications and Presentations:

- HIV Induces Homing of Resting T-Lymphocytes to Lymph Nodes. Wang, L, **Robb CW**, Cloyd, MW. *Virology* 1997 Feb 17;228(2):141-52
- Expression of an 18kDa::PhoA fusion protein in *Mycobacterium* spp. **Robb CW**, Ni H, Wang H, Barrett ADT, Niesel DW. *J. Microb. Meth.* 33 (1998): 245-254.
- Peritoneal culture alters *Streptococcus pneumoniae* protein profiles and virulence properties. Orihuela CJ, Janssen R, **Robb CW**, Watson DA, Niesel DW. *Infect Immun.* 2000 Oct;68(10):6082
- Identification and characterization of an in vivo regulated D15/Oma87 homologue in *Shigella flexneri* using differential display polymerase chain reaction. **Robb CW**, Orihuela CJ, Ekkelenkamp MB, Niesel DW. *Gene.* 2001 Jan 10;262(1-2):169-77.
- *Streptococcus pneumoniae* PstS production is phosphate responsive and enhanced during growth in the murine peritoneal cavity. Orihuela CJ, Mills J, **Robb CW**, Wilson CJ, Watson DA, Niesel DW. *Infect Immun.* 2001 Dec;69(12):7565-71.
- Four cases of dermatomycosis: superficial cutaneous infection by *Alternaria* or *Bipolaris*. **Robb CW**, Malouf PJ, Rapini RP. *Cutis.* 2003 Oct;72(4):313-6, 319.
- Generalized vasculitic exanthem following *Loxosceles reclusa* envenomation. **Robb CW**, Hayes BB, Boyd AS. *J Cutan Pathol.* 2007 Jun;34(6):513-4.
- Chemical burn induced by cutaneous exposure to a concentrated sodium hypochlorite and alkyl sulfate solution. Piggott CD, Hayes B, **Robb CW**, Thomas L, Creech CB, Smith ML. *Cutan Ocul Toxicol.* 2007;26(3):189-94.
- Topical stabilized hypochlorous acid: The future gold standard for wound care and scar management in dermatologic and plastic surgery procedures. Gold MH, Andriesen A, Bhatia AC, Bitter P Jr, Chilukuri S, Cohen JL, Robb CW. *J Cosmet Dermatol.* 2020 Feb;19(2):270-277. doi: 10.1111/jocd.13280. Epub 2020 Jan 6.

- Primary Axillary Hyperhidrosis Treatment Using High Intensity Focused Fractional Radiofrequency Microneedling Chilukuri S, Robb CW, Weiner SF, Grossman J.J Drugs Dermatol. 2018 Jul 1;17(7):745-748.
- Successful use of a fractional 2940-nm laser in treating chronic, severe erosive pustular dermatosis of the scalp. Grubbs HE, Robb CW. JAAD Case Rep. 2019 Jan 31;5(2):188-190. doi: 10.1016/j.jdc.2018.11.003. eCollection 2019 Feb.
- Hybrid Fractional Laser: A Multi-Center Trial on the Safety and Efficacy for Photorejuvenation. Waibel S, Pozner J, Robb C, Tanzi E. J Drugs Dermatol. 2018 Nov 1;17(11):1164 - 1168.
- State of laser resurfacing 2021: A roundtable discussion. Jason N. Pozner MD, Joel L. Cohen MD, Jay Burns MD, Barry E. DiBernardo MD, Lawrence S. Bass MD, Christopher W. Robb MD, PhD, Jonathan Cook MD, Kaitlyn Jones PA-C Dermatologic Reviews 2/25/2021
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Abstracts:

1. Liqiang Wang, **Christopher W. Robb**, Jose Planas, Hongbo Li, Yasumasa Iwatani Miles W. Cloyd. Effects of HIV-1 infection on the expression of MHC I and CD4 molecules in normal human CD4+ T-lymphocytes. Pathology Department Trainee Research Session. The University of Texas Medical Branch at Galveston, Texas. May 1995.
2. Liqiang Wang, **Christopher W. Robb**, Miles W. Cloyd. Exposure of resting CD4+ T- lymphocytes to HIV-1 upregulates L-selectin, the receptor for homing to lymph nodes, resulting in their sequestration from blood into lymph nodes. Annual James W. McLaughlin Research Colloquium. March 1996.
3. **Christopher W. Robb**, Haolin Ni, H. Wang, A.D.T. Barrett and D.W. Niesel. Expression of a 18kDa::PhoA fusion protein in mycobacterium. ASM 97th General Meeting, Miami Beach, FL. May 1997.
4. **Christopher W. Robb**, Carlos Orihuela, N. Herzog, D.W. Niesel. A D15/Oma87 homologue in *Shigella flexneri* expressed *in vivo*. Annual James W. McLaughlin Research Colloquium. March 1998.
5. Carlos J. Orihuela, David A. Watson, **Christopher W. Robb**, David W. Niesel. Identification of *in vivo* expressed products from *Streptococcus pneumoniae* using Differential Display analysis. Annual James W. McLaughlin Research Colloquium. March 1998.

6. **Christopher W. Robb**, Carlos Orihuela, N. Herzog, D.W. Niesel. Identification of a D15/Oma87 homologue in *S. flexneri* using DD-PCR. ASM 98th General HybMeeting, Atlanta, GA. May 1998.
7. Carlos J. Orihuela, David A. Watson, **Christopher W. Robb**, David W. Niesel. Use of Differential Display PCR to identify *in vivo* expressed products from *Streptococcus pneumoniae*. ASM 98th General Meeting, Atlanta, GA. May 1998.
8. Carlos J. Orihuela, Rob Janssen, **Christopher W. Robb**, David Watson, David Niesel. *Streptococcus pneumoniae* response to growth in a murine peritoneal cavity model. Society for Experimental Biology and Medicine, Galveston, TX. 1999.
9. **Christopher W. Robb**, Jason Pozner. Improvement of pores with a single treatment of 1470/2940 hybridized laser. ASLMS General Meeting, Boston, MA. March 2016
10. Jason Pozner, **Christopher W. Robb**, Elizabeth Tanzi, Jill Waibel. *Characterizing Safety Patient Experience and Efficacy of Hybrid Fractional Laser (1470nm & 2940nm)*. ASLMS General Meeting, San Diego, CA. April 2017
11. **Christopher W. Robb** and Tammie Campanali PA-C Treatment of actinic Keratosis of the chest using a Hybridized 1470/2940 Fractional Laser. ASLMS San Diego, CA April 7, 2017 dermatosis of the scalp. JAAD Case Rep. 2019 Jan 31;5 (2) 188-190. doi 10.1016/j.jdc.2018.11.003. eCollection 2019 Feb. PubMed PMID: 30740503, PubMed Central PMCID: PMC6357499
13. Grubbs, HE, **Robb CW**, Successful use of fractional 2940-nm laser in treating chronic , severe erosive pustular dermatosis of the scalp. JAAD Case Rep. 2019 Jan 31;5(2): 188-190 doi: 10-10.16/j.jdc.2018.11.003. eCollection 2019 Feb. PubMed PMID:30740503; PubMed Central PMCID: PMC6357499
14. Chilukuri S, **Robb CW**, Weiner SF, Grossman J. Primary Axillary Hyperhidrosis Treatment using High Intensity Focused Fractional Radiofrequency Microneedling. J Drugs Dermatol. 2018 Jul 1;17 (7) :745-748 PubMed PMID 30005096
15. Waibel S, Pozner J, **Robb CW**, Tanzi E. Hybrid Fractional Laser. A Multi-Center Trial on the Safety and Efficacy for Photorejuvenation. J Drugs Dermatol. 2018 Nov 1;17 (11):1164-1168
16. Gold MH, Andreissen A, Bhatia AC, Bitter P, Chilukuri S, Cohen JL, **Robb CW** . Topical stablized hypochlorous acid: The future gold standard for wound care and scar management in dermatologic and plastic surgery procedures. *J Cosmet Dermatol*, 2020;001-8.

17. Waibel S, Pozner J, Robb C, Tanzi E. Hybrid Fractional Laser: A Multi-Center Trial on the Safety and Efficacy for Photorejuvenation. *J Drugs Dermatol*. 2018 Nov 1;17(11):1164 - 1168. PMID: 30481954.

18. Jason N. Pozner MD, Joel L. Cohen MD, Jay Burns MD, Barry E. DiBernardo MD, Lawrence S. Bass MD, Christopher W. Robb MD, PhD, Jonathan Cook MD, Kaitlyn Jones PA-C. State of laser resurfacing 2021: A roundtable discussion *Dermatological Reviews* Volume 2, Issue 1.

19. Christopher W. Robb MD, PhD, Jason N. Pozner MD A novel 1470 nm radial fiber diode for fat harvesting and liposuction *Dermatological Reviews* Volume 1, Issue 4

20 *Cutan Ocul Toxicol*. 2007;26(3):189-94. doi: 10.1080/15569520701502799. Chemical burn induced by cutaneous exposure to a concentrated sodium hypochlorite and alkyl sulfate solution Caroline D S Piggott 1, Benjamin Hayes, Christopher W Robb, Lacey Thomas, C Buddy Creech, Michael L Smith

Book Chapters

1. Complications and Solutions for Post-Operative Liposuction Deformities. Chris Robb and Michael Gold. *Enhanced Liposuction - New Perspectives and Techniques*. Intertechopen online publication. Edition 1. 2021.

Abstracts

1. **Christopher W. Robb**, Tammie Campanali, Don Griffen, Marc Salzman, Robert Aycock, Jason Pozner. Two treatments using a Hybridized Fractional 2940/1470nm laser for treatment of facial photodamage. *ASDS*

Patents:

1. Barrett, A.D.T., D.W. Niesel, H. Ni, and **C. Robb**. Non-antibiotic system for selection of recombinant *Mycobacterium bovis* BCG.

Presentations:

1. Identification of a D15/Oma87 homologue in *Shigella flexneri* using Differential Display Polymerase Chain Reaction. American Society for Microbiology 98th General Meeting in Atlanta, Georgia, May 20, 1998.

2. Advanced use of Ablative technologies. Nashville Aesthetics Seminar, Nashville, TN October, 6 2012
3. erbium:YAG treatment of photo damage and rhytides. TSLMS March 30, 2012
4. Combined IPL treatments in elderly patients: evidence of genetic rejuvenation. Annual World Congress on Anti-aging Medicine. December 12, 2014.
5. Use of hybridized fractional lasers. Music City Scale Nashville, TN 2014
6. Hybridized fractional lasers. American Society of Cosmetic Surgeons. 2015 Annual Meeting. Jan. 14-17, 2015.
7. Hybridized fractional lasers: evolving technology. Music City SCALE. Nashville, TN. March 7, 2015.
8. Hybridized Fractional lasers combining 2940:1470 wavelengths for the treatment of photo damaged skin. Australian College of Dermatologists 48th Annual Meeting. May 16, 2015
9. Combination erbium:YAG::1470nm Diode Fractionated Lasers. Cosmetic Boot Camp. Aspen, CO. July 10, 2015.
10. Advances in medical use of photo thermal devices. Tennessee Dermatology Society. Nashville, TN. November 15, 2015.
11. Updates in Medical Use of lasers and energy devices. SCALE. Nashville, TN March 17, 2016.
12. Cosmetic Marketing Strategies. AACS. San Diego, CA. February 9, 2017
13. Treatment of Actinic Keratosis of the chest using a Hybridized 1470/2940 Fractional Laser. April 7, 2017 ASLMS
14. Vegas Cosmetic Symposium CME lectures 2017-2020
15. A4M CME presentations 2017,2018
16. GAC CME presentations and moderator. 2018-present
17. SCC World Congress Barcelona, Spain 2019
18. **Australasian College of Dermatologists Annual Scientific Meeting 2018 Adelaide, Australia.**
19. **ASLMS, AES, GAC, MAP, AAD over several years**

Speaker Panel

1. Sciton 2014-present
2. BTL 2021-present
3. Lutronic 2018-2019
4. Galderma 2022-present

Scientific Advisory Boards

1. Connetics. Napa, CA 2005
2. Sciton. 2015-current
3. Intraderm
Nashville, TN 2016
Las Vegas, NV 2016

4. Sinclair Pharma
Las Vegas, NV 2016
5. Alastin 2022
6. BTL 2021- current