

# CHESHIL DIXIT, MD

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## **ACADEMICS**

<b>Residency</b> <b>Internal Medicine</b> University of Mississippi Medical Center Jackson, MS	2019 (anticipated completion)
<b>Internship</b> <b>Internal Medicine</b> University of Mississippi Medical Center Jackson, MS	2017
<b>Doctor of Medicine</b> University of Mississippi School of Medicine Jackson, MS	2016
<b>Bachelor of Science</b> in Biology, with Honors Millsaps College Jackson, MS <i>Minor in Chemistry</i>	2012

## **RESEARCH**

Membrane specializations in nonencapsulated <i>Streptococcus pneumoniae</i> Medical Student Research Program University of Mississippi Medical Center Department of Microbiology Mentor: Larry S. McDaniel, Ph.D. Techniques: polymerase chain reaction, transformation, western blotting, gel electrophoresis	2013 – 2016
Cell cycle regulation in <i>Aspergillus nidulans</i> Honors Program Millsaps College Department of Biology Mentor: Sarah Lea Anglin, Ph.D. Techniques: Creation of media, isolation streaking, slide staining and creation, fluorescence microscopy, western blotting Localization of <i>Aspergillus nidulans</i> SNXA <sup>HRB1</sup> throughout the cell cycle	2010 – 2012       Thesis, 2012

## **PUBLICATIONS**

*Aspergillus nidulans* SNXA<sup>HRB1</sup> Is an SR/RRM Family Protein that Rescues Defects in the CDC2/CYCLINB Pathway

Steven W. James, **Cheshil Dixit**, and Sarah Lea Anglin, et al.  
Genetics. 2014 Oct; 198(2): 617–633.  
doi: 10.1534/genetics.114.167445

*Nonencapsulated Streptococcus pneumoniae Cause Acute Otitis Media in the Chinchilla that is Enhanced by Pneumococcal Surface Protein K*

Lance E. Keller, **Cheshil Dixit**, and Larry S. McDaniel, et al.  
Open Forum Infectious Diseases. 2014  
doi: 10.1093/ofid/ofu037

*Nonencapsulated Streptococcus pneumoniae as a Cause of Chronic Adenoiditis*

**Cheshil Dixit**, and Larry S. McDaniel, et al  
ID Cases. 2016 Apr 12  
doi: 10.1016/j.idcr.2016.04.001

## **ORAL PRESENTATIONS**

Pneumococcal Surface Protein K is a Virulence Determinant of *Streptococcus pneumoniae* April 2016  
Nonencapsulated *Streptococcus pneumoniae*  
Department of Medicine Research Day  
University of Mississippi Medical Center  
Jackson, MS

The Emerging Pathogen Nonencapsulated *Streptococcus pneumoniae*: Chronic Adenoiditis in a Young Child February 2016  
Mississippi Academy of Sciences  
Hattiesburg, MS

Localization of *Aspergillus nidulans* snxA<sup>Hrb1</sup> throughout the cell cycle February 2012  
Honors Symposium  
Millsaps College  
Jackson, MS

## **POSTER PRESENTATIONS**

SL McGuire Anglin, T. Banta, C. Coile, **C. Dixit**, S. Eastlack, A. Giang, J. Kobie, M. Nguyen, K. Shingler, A. Orzechowski, and S. James. The *snxA* gene of *Aspergillus nidulans* encodes a homolog of yeast Hrb1. 26<sup>th</sup> Fungal Genetics Conference, Pacific Grove, CA, 15-20 March, 2011.

Clifford E. Coile, **Cheshil Dixit**, and Sara Lea Anglin. Effects of *snxA1* and *nimA5* Mutations on Nuclear Localization of Cyclin B in *Aspergillus nidulans*. Annual Mississippi INBRE Research Symposium, Hattiesburg, MS, 30 April 2011.

**Cheshil Dixit**, Clifford Coile, Faustin Mwambutsa, and Sara Lea Anglin. *Aspergillus nidulans* SNXA Localizes to the Nucleus. Southeast Regional IDeA Meeting, New Orleans, LA, 23 September 2011.

**Cheshil Dixit**, Clifford Coile, Faustin Mwambutsa, and Sara Lea Anglin. *Aspergillus nidulans* SNXA Localizes to the Nucleus. Annual Mississippi INBRE Research Symposium, Hattiesburg, MS, 30 April 2012.

**Cheshil Dixit**, Travis Banta and Sara Lea Anglin. Characterization of *Aspergillus nidulans* SNXA. National IDeA Symposium of Biomedical Research Excellence, Washington DC, 25-27 June 2012.

**C. Dixit**, L. E. Keller, J. Friley, M. H. Nahm, and L. S. McDaniel. Nonencapsulated *Streptococcus pneumoniae* (NESp) cause Acute Otitis Media (AOM). Department of Medicine Research Day, Jackson, MS, 8 April 2014.

Hugh Muse, L. Wesley Aldred, **Cheshil Dixit**, Savannah Duckworth, and Michelle Horn. VZV Reactivation, More Than Just Shingles. UMMC ACP Abstract Day, Jackson, MS, 20 November 2014.

**Cheshil Dixit**, Lance E. Keller, and Larry S. McDaniel. Nonencapsulated *Streptococcus pneumoniae*: A Case of a 2-year-old with Chronic Adenoiditis. American Society of Microbiology South Central Branch Meeting, Hattiesburg, MS, 19 September 2015.

**Cheshil Dixit**, Stephen LeBlanc, Lucas Buchanan, L. Wesley Aldred, L. Campbell Behlen, and Patricia Stewart. When Edema isn't Angioedema: Superior Vena Cava Syndrome as a Confounder in Hereditary Angioedema. Alabama & Mississippi Chapters of the American College of Physicians Scientific Meeting. Birmingham, AL, 2 June 2018 (accepted, pending).

## ***LICENSURE / CERTIFICATION***

USMLE Step 1, passed (2014)

USMLE Step 2 (CK), passed (2015)

USMLE Step 2 (CS), passed (2015)

USMLE Step 3, passed (2018)

Basic Life Support

Advanced Cardiac Life Support

Mississippi State Medical License T-3107

## ***AWARDS / HONORS***

Judge High School/Undergraduate Poster Session Mississippi Academy of Science	February 2016
3 <sup>rd</sup> Place for a Poster Presentation South Central Branch Meeting American Society of Microbiology	September 2015
Medical Student Research Scholar University of Mississippi School of Medicine	2013 - 2016
Magna Cum Laude Millsaps College	2012
Student Research Award Department of Biology Millsaps College	April 2012
Phi Beta Kappa Award of Excellence for 1 <sup>st</sup> Place in Honors Research Oral Presentations Honors Conference Millsaps College	February 2012
1 <sup>st</sup> Place for an Oral Presentation 22 <sup>nd</sup> Annual Student Research Symposium Millsaps College	January 2012
Omicron Delta Kappa Leadership Honorary Millsaps College	2011
Alpha Epsilon Delta Pre-Health Honorary Millsaps College	2011
Co-Moderator 21 <sup>st</sup> Annual Student Research Symposium Millsaps College	January 2011
Beta Beta Beta Biological Honorary Millsaps College	2010

## ***SOCIETY MEMBERSHIPS***

Member American College of Allergy, Asthma, and Immunology	2018 - present
Member American College of Physicians	2012 - present
Member Mississippi State Medical Association	2012 - present

## ***INTERESTS***

Reading (fiction), television, video games (primarily PC), NFL football (Carolina Panthers), video editing, technology