

Medical School Required Courses
COURSE DIRECTORS AND CONTACTS AY 2024-2025

FIRST YEAR CURRICULUM		
SFM Course Director: Brendan Cormack bcormack@jhmi.edu OSFM Course Director: Rakhi Naik rakhi@jhmi.edu / Co-Director: Arun Venkatesan avenkat2@jhmi.edu First Year Medical Training Program Administrators (MTPAs): Natrell Darden and Emrhys Benson AMEB 331, Office 410-614-0986		
COURSE	CONTACT	COURSE DIRECTOR
Topics in Interdisciplinary Medicine: Disparities and Inequities in Health and Health Care	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Errol Fields Errol.Fields@jhmi.edu Lydia Hickey lhickey4@jhu.edu
Human Anatomy	Emrhys "Rhys" Benson ebenso13@jhu.edu Natrell Darden, ndarden1@jhu.edu	Siobhán Cooke scooke5@jhmi.edu Gabriel Bever gbever1@jhmi.edu
Clinical Foundations of Medicine	Susan Pulley sshultz@jhmi.edu	Mitchell Goldstein mgoldst2@jhmi.edu Emily Frosch efrosch@jhmi.edu
Foundations of Public Health (FPHEEHCS): <i>(inc. Epi, Ethics, and the Health Care System)</i>	Natrell Darden ndarden1@jhu.edu Emrhys "Rhys" Benson ebenso13@jhu.edu	FPH: Eric Bass ebass@jhsph.edu Amit Pahwa apahwa1@jhmi.edu Epi: Steve Sozio ssozio@jhmi.edu Som Saha ssaha9@jhmi.edu Ethics: Jacek Mostwin jmostwin@jhmi.edu Rebecca Seltzer rseltze2@jhmi.edu
Integrative Medicine	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Melanie Brown mlbrown@jhmi.edu Janet Siddiqui jsiddiq@jhmi.edu
Scientific Foundations of Medicine (SFM)		Brendan Cormack bcormack@jhmi.edu
SFM Histology / Pathobiology	Natrell Darden ndarden1@jhu.edu Emrhys "Rhys" Benson ebenso13@jhu.edu	Zahra Maleki zmaleki1@jhmi.edu
SFM Macromolecules	Emrhys "Rhys" Benson ebenso13@jhu.edu Natrell Darden ndarden1@jhu.edu	Jie Xiao xiao@jhmi.edu
SFM Cell Physiology	Natrell Darden ndarden1@jhu.edu Emrhys "Rhys" Benson ebenso13@jhu.edu	Takanari Inoue jctinoue@jhmi.edu
SFM Genetics	Emrhys "Rhys" Benson ebenso13@jhu.edu Natrell Darden ndarden1@jhu.edu	Jeremy Nathans jnathans@jhmi.edu
SFM Metabolism	Natrell Darden ndarden1@jhu.edu Emrhys "Rhys" Benson ebenso13@jhu.edu	Michael Wolfgang mwolfga1@jhmi.edu

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SFM Pharmacology	Emrhys “Rhys” Benson ebenso13@jhu.edu Natrell Darden ndarden1@jhu.edu	Ronald Schnaar schnaar@jhu.edu Ethel Weld eweld@jhmi.edu
SFM Immunology	Emrhys “Rhys” Benson ebenso13@jhu.edu Natrell Darden ndarden1@jhu.edu	Stuart Ray sray@jhmi.edu
Topics in Interdisciplinary Medicine: Nutrition & Behavior Change	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant@jhmi.edu	Zoobia Chaudhry zchaudh2@jhmi.edu - (TIME CD representative to UMEPCC) Marci Laudenslager m lauden1@jhmi.edu
Scholarly Concentrations	Delena Dodd 410-614-7056 ddodd5@jhmi.edu	Steve Sozio ssozio@jhmi.edu
Longitudinal Ambulatory Clerkship – 1st year	Iris Knox 410-735-4789 iknox1@jhmi.edu	Tina Kumra tkumra1@jhmi.edu
Topics in Interdisciplinary Medicine: Pain Care	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Kara Segna ksegna1@jhmi.edu (GTSIC rep for TIME course leaders) Gerard Limerick glimeri1@jhmi.edu
Topics in Interdisciplinary Medicine: Substance Use Disorders	Grace Bryant gbryant7@jhmi.edu Pamela McCann, pmccann3@jhmi.edu	Jordan Nahas-Vigon jordannv@jhmi.edu William Hall whall21@jhmi.edu
Organ Systems Foundations of Medicine (OSFM)		Rakhi Naik rakhi@jhmi.edu Arun Venkatesan avenkat2@jhmi.edu
OSFM Nervous System & Special Senses (NSS)	Natrell Darden ndarden1@jhu.edu Emrhys “Rhys” Benson ebenso13@jhu.edu	Arun Venkatesan avenkat2@jhmi.edu
OSFM Brain, Mind, Behavior (BMB)	Emrhys “Rhys” Benson ebenso13@jhu.edu Natrell Darden ndarden1@jhu.edu	Vinay Parekh vparekh1@jhmi.edu Claire Zachik czachik1@jhmi.edu
OSFM Neoplasia	Natrell Darden ndarden1@jhu.edu Emrhys “Rhys” Benson ebenso13@jhu.edu	Matthias Holdhoff, mholdho1@jhmi.edu Calixto-Hope Lucas clucas7@jhmi.edu
OSFM Dermatology	Natrell Darden ndarden1@jhu.edu Emrhys “Rhys” Benson ebenso13@jhu.edu	Farah Succaria farahsuccaria@jhmi.edu
OSFM Infectious Disease/Microbiology (ID/Micro)	Emrhys “Rhys” Benson ebenso13@jhu.edu Natrell Darden ndarden1@jhu.edu	Khalil Ghanem kghanem1@jhmi.edu Maunank Shah mshah28@jhmi.edu Karen Carroll kcarrol7@jhmi.edu
<i>OSFM Hematology</i>	Natrell Darden ndarden1@jhu.edu Emrhys “Rhys” Benson ebenso13@jhu.edu	Philip Imus pimus1@jhmi.edu Jennifer Yui yyui1@jhmi.edu Rakhi Naik rakhi@jhmi.edu
<i>OSFM Pulmonary (Year 1 SPRING 25)</i>	Pamela McCann, pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Kristina Montemayor kmontem1@jhmi.edu

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OSFM Renal (<i>Year 1 SPRING 25</i>)	Pamela McCann, pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Manny Monroy-Trujillo jmonroy2@jhmi.edu Elena Cervantes ccervan2@jhmi.edu
Topics in Interdisciplinary Medicine: High Value Care	Grace Bryant gbryant7@jhmi.edu Pamela McCann pmccann3@jhmi.edu	Amit Pahwa apahwa1@jhmi.edu Niloo Latifi nlatifi1@jhmi.edu
Topics in Interdisciplinary Medicine: Clinical Informatics	Grace Bryant gbryant7@jhmi.edu Pamela McCann pmccann3@jhmi.edu	Susan McFarland smcfar3@jhmi.edu Nestoras Mathioudakis nmathio1@jhmi.edu
Interprofessional Education (IPE) – Year 1	Paula David pdavid@jhmi.edu	Manny Monroy-Trujillo jmonroy2@jhmi.edu
<i>Topics in Interdisciplinary Medicine (TIME): Global Health (moving to Year 4)</i>	Grace Bryant gbryant7@jhmi.edu Pamela McCann pmccann3@jhmi.edu	Larry Chang lchang8@jhmi.edu
<i>Topics in Interdisciplinary Medicine: Disaster Medicine (moving to Year 4)</i>	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Lee Jenkins jenkins@jhmi.edu

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SECOND YEAR CURRICULUM		
OSFM Course Director: Rakhi Naik rakhi@jhmi.edu / Co-Director: Arun Venkatesan Second Year Medical Training Program Administrators (MTPAs): Pam McCann and Grace Bryant AMEB 331, Office 410-614-3746		
COURSE	CONTACT	COURSE DIRECTOR
Longitudinal Ambulatory Clerkship – Year 2	Iris Knox 410-735-4789 iknox1@jhmi.edu	Tina Kumra tkumra1@jhmi.edu
Organ Systems Foundations of Medicine (OSFM)	OMSC omsc@jhmi.edu	Rakhi Naik rakhi@jhmi.edu Arun Venkatesan avenkat2@jhmi.edu
OSFM Pulmonary	Pamela McCann, pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Kristina Montemayor kmontem1@jhmi.edu
OSFM Renal	Pamela McCann, pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Manny Monroy-Trujillo jmonroy2@jhmi.edu Elena Cervantes ccervan2@jhmi.edu
OSFM Cardiovascular	Pamela McCann, pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Edward Kasper ekasper@jhmi.edu
Scholarly Concentrations – Year 2	Delena Dodd 410-614-7056 ddodd5@jhmi.edu	Steve Sozio ssozio@jhmi.edu
Organ Systems Foundations of Medicine (OSFM)	OMSC	Rakhi Naik rakhi@jhmi.edu Arun Venkatesan, avenkat2@jhmi.edu
OSFM GI/Liver	Pamela McCann, pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Ken Hui Ken.Hui@jhmi.edu Sameer Khan skhan141@jh.edu Jackie Birkness-Gartman jbirkne1@jhmi.edu
OSFM Endocrine	Grace Bryant gbryant7@jhmi.edu Pamela McCann, pmccann3@jhmi.edu	Aniket Sidhaye asidhay1@jhmi.edu David Cooke dcooke@jhmi.edu
OSFM Musculoskeletal	Grace Bryant gbryant7@jhmi.edu Pamela McCann, pmccann3@jhmi.edu	Allan Gelber agelber@jhmi.edu Aaron James awjames@jhmi.edu
OSFM Reproduction	Grace Bryant gbryant7@jhmi.edu Pamela McCann, pmccann3@jhmi.edu	Jenny Robinson jrobin87@jhmi.edu Brian Wildey bwildey1@jh.edu Amin Herati aherati1@jhmi.edu
Topics in Interdisciplinary Medicine: Patient Safety	Grace Bryant gbryant7@jhmi.edu	Hanan Aboumatar habouma1@jhmi.edu
Transition to the Wards (TTW)	Pamela McCann pmccann3@jhmi.edu	Jules Jung jjung@jhmi.edu James Boothe jboothe2@jh.edu
Interprofessional Education (IPE) – Year 2	IPE Coordinator: Paula David pdavid@jhmi.edu	Manny Monroy-Trujillo jmonroy2@jhmi.edu

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TOPICS IN INTERDISCIPLINARY MEDICINE (Year 2 and Year 3)

COURSE	CONTACT	COURSE DIRECTOR
Topics in Interdisciplinary Medicine: End of Life/Palliative Care	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Lauren Berninger lbernin1@jhmi.edu Sara Muñoz-Blanco smunozb1@jhmi.edu Mark Hughes mthughes@jhmi.edu

LEADERSHIP TRACKS

(participants selectively chosen during Year 1)

Primary Care Leadership Track	Lindia Holmes lholme10@jhmi.edu	Colleen Christmas cchristm@jhmi.edu
Global and Refugee Health Leadership Track	n/a	Alexandre White awhite94@jhmi.edu Jean Anderson janders@jhmi.edu Cuneo, C. Nicholas nick.cuneo@jhmi.edu

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REQUIRED CORE CLERKSHIPS		
Medicine	Kasie Lerner klerner4@jhmi.edu	Danelle Cayea dcayea1@jhmi.edu Ashwini Niranjan-Azadi anirani1@jhmi.edu Beau Landry-Wegener blandry3@jhmi.edu
Surgery	Misty Grimes misty@jhmi.edu	Alodia Gabre-Kidan agabrek1@jhmi.edu Clint Cappiello ccappie1@jhmi.edu
Gynecology and Obstetrics	Deborah Ayodele dayodel1@jhmi.edu	Jenny Robinson jrobin87@jhmi.edu Cybill Esguerra cesguer1@jhmi.edu
Pediatrics	Kermitta Amet kamet1@jhmi.edu	Christopher Golden cgolden@jhmi.edu Amit Pahwa pahwa@jhmi.edu
Psychiatry	Natasha Wright Wilson nwrigh18@jhmi.edu	Vinay Parekh vparekh1@jhmi.edu Avi Gerstenblith tgerste1@jhmi.edu
Neurology	Bernadette Clark mclark44@jhmi.edu	Ashley Paul apaul19@jhmi.edu Doris Leung dleung8@jhmi.edu
Emergency Medicine	Regina Brillman rrreed27@jhmi.edu	Sharon Bord sbord1@jhmi.edu Amelia Pousson apouso1@jhmi.edu

REQUIRED ADVANCED CLINICAL ROTATIONS		
CLERKSHIP	CONTACT	CLERKSHIP DIRECTOR
Sub-Internships (Medicine, Pediatrics, Surgery, etc.)	Various (Departmental)	Various (Departmental)
Advanced Clerkship in Critical Care	Madison Greer mgreer6@jhmi.edu Tammy Koehl tkoehl1@jhmi.edu	Jed Wolpaw jwolpaw@jhmi.edu Elizabeth Card mcard1@jhmi.edu
Advanced Ambulatory Clerkship	Pamela McCann pmccann3@jhmi.edu	Sujay Pathak sujay@jhmi.edu Sharon Dlhosh sdlhosh1@jhmi.edu

TRANSLATIONAL SCIENCE COURSES (Year 3 and Year 4)		
COURSE	CONTACT	COURSE DIRECTOR
Translational Science: Infectious Disease	Pamela McCann pmccann3@jhmi.edu Grace Bryant gbryant7@jhmi.edu	Brendan Cormack bcormack@jhmi.edu
Translational Science: Regenerative Medicine	Grace Bryant gbryant7@jhmi.edu Pamela McCann pmccann3@jhmi.edu	Jason Chua jchua6@jhmi.edu
Translational Science: Genomic Medicine	Grace Bryant gbryant7@jhmi.edu Pamela McCann pmccann3@jhmi.edu	Nara Sobreira nsobrei2@jhmi.edu (TS Course Directors UMEPCC Representative)
Translational Science: Immunology	Pamela McCann pmccann3@jhmi.edu	Max Konig konig@jhmi.edu

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Translational Science: Metabolism	Pamela McCann pmccann3@jhmi.edu	Steve Gould sgould2@jhmi.edu
Translational Science: Cancer	Grace Bryant gbryant7@jhmi.edu Pamela McCann pmccann3@jhmi.edu	Albena Dinkova-Kostova adkostov@jhmi.edu

GRADUATION REQUIREMENTS

Transition to Residency and Internship and Preparation for Life (TRIPLE)	Pam McCann pmccann3@jhmi.edu	Sharon Bord sbord1@jhmi.edu Emily Frosch efrosch@jhmi.edu
Comprehensive Clinical Skills Exam (CCSE) - Paused <i>(graduation requirement / not a course)</i>	Pam McCann pmccann3@jhmi.edu	Julianna Jung jjung@jhmi.edu (CDCS representative to GTSIC)