

**Emily MacDonald Fredericks, PhD**  
**Clinical Professor of Pediatrics**  
**Director, Division of Pediatric Psychology**  
University of Michigan Medical School and C.S. Mott Children's Hospital  
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## **Education and Training**

### **Education**

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|-----------------|--|
| 08/1993-05/1997 | BA, Psychology Magna cum Laude, Saint Mary's College, Notre Dame, Indiana  |
| 08/1998-12/2000 | MA, Clinical Psychology (APA Accredited) Thesis Title: "The relationship among the stimulus functions and the clinical effects of methylphenidate in children diagnosed with Attention Deficit Hyperactivity Disorder", Western Michigan University, Kalamazoo, Michigan |
| 12/2000-06/2003 | PhD, Clinical Psychology (APA Accredited) Dissertation Title: "An evaluation of methylphenidate preference in adults diagnosed with ADHD", Western Michigan University, Kalamazoo, Michigan  |

### **PostDoctoral Training**

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|-----------------|---|
| 07/2002-06/2003 | Internship, Pediatric Psychology Track (APA Accredited) Clinical Psychology Internship, Duke University Hospital, Durham, North Carolina  |
| 09/2003-08/2005 | Fellowship, Pediatric Psychology Postdoctoral Fellow, University of Michigan Health System, Department of Pediatrics, Ann Arbor, Michigan |

### **Additional Education**

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|-----------------|--|
| 06/2015         | Linkage Leadership Institute, University of Michigan Medical School, Ann Arbor, MI                                 |
| 10/2017-02/2019 | Rudi Ansbacher Women in Academic Medicine Leadership Program, University of Michigan Medical School, Ann Arbor, MI |

## **Certification And Licensure**

### **Licensure**

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|-----------------|---|
| 07/2005-present | State of Michigan, Psychologist License |
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## **Academic, Administrative, Clinical, Research and Military Appointments**

### **Academic Appointments**

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|-----------------|--|
| 09/2005-08/2012 | Clinical Assistant Professor of Pediatrics, Division of Child Behavioral Health, Clinical Track, University of Michigan, Ann Arbor, Michigan |
| 06/2006-08/2012 | Adjunct Assistant Professor of Psychology, College of Literature, Science, and the Arts, University of Michigan, Ann Arbor, Michigan         |
| 09/2012-08/2019 | Adjunct Associate Professor of Psychology, College of Literature, Science, and the Arts, University of Michigan, Ann Arbor, Michigan         |
| 09/2012-08/2019 | Clinical Associate Professor of Pediatrics, Division of Pediatric Psychology, University of Michigan, Ann Arbor, Michigan                    |
| 09/2019-present | Adjunct Professor of Psychology, College of Literature, Science, and the Arts, University of Michigan, Ann Arbor, MI                         |
| 09/2019-present | Clinical Professor of Pediatrics, Division of Pediatric Psychology, University of Michigan, Ann Arbor, Michigan                              |

### **Administrative Appointments**

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|-----------------|---|
| 09/2005-09/2011 | Director of Clinical Training, Pediatric Psychology, University of Michigan Medical School and C.S. Mott Children's Hospital, Ann Arbor, Michigan |
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04/2011-08/2015	Section Chief of Pediatric Psychology, University of Michigan Medical School and C.S. Mott Children's Hospital, Ann Arbor, Michigan
09/2015-06/2018	Associate Director, Division of Pediatric Psychology, Department of Pediatrics, University of Michigan Medical School and C.S. Mott Children's Hospital, Ann Arbor, Michigan
10/2018-present	Director, Division of Pediatric Psychology, Department of Pediatrics, University of Michigan Medical School and C.S. Mott Children's Hospital, Ann Arbor, MI

### **Clinical Appointments**

05/2001-05/2002	Pediatric Psychologist, Michigan State University/Kalamazoo Center for Medical Studies, Kalamazoo, Michigan
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### **Research Positions**

07/2013-present	Research Faculty, Child Health Evaluation and Research Center (CHEAR), University of Michigan, Ann Arbor, MI
03/2018-present	Member, Institute for Healthcare Policy and Innovation (IHPI), University of Michigan, Ann Arbor, MI
10/2018-present	Member, Center for Human Growth and Development, University of Michigan, Ann Arbor, MI

### **Clinical Interests**

- Pediatric Psychology
- Pediatric Solid Organ Transplant
- Adolescent Health

### **Research Interests**

- Medication Adherence in Pediatric Transplantation
- Transition from Pediatric to Adult Centered Health Care
- Mobile Technology in the Management of Pediatric Chronic Illness
- Health Related Quality of Life and Neurodevelopmental Outcomes in Children with Liver Disease and Transplantation
- Behavioral Health Interventions for Children with Chronic Illnesses
- Impact of Sleep Disorders on Health Outcomes in Pediatric Chronic Illness

### **Grants**

#### **Current Grants**

*U01DK119200-01: iMALT: A clinical trial investigating an intervention to improve adherence to immunosuppressant medications in adolescent transplant recipients* Health and Human Services, Department of National Institutes of Health, Subcontract with Icahn School of Medicine at Mount Sinai (ISMMS)

Emily M. Fredericks, PI  
09/2018-08/2023. \$183,297

*Provider Practices: Difficult Healthcare Discussions in Pediatric End-Stage Organ Disease.* Jeanette Ferrantino Investigator Award, Department of Pediatrics, University of Michigan.

Co-I (Principal Investigator: Melissa Cousino, PhD)  
10/2016-09/2026. \$40,000

*5UH308797905: Parents' Self-regulation and Youth Type 1 Diabetes Management* NIH-DHHS-US- 18-PAF06169; 15-PAF05648; 15-PAF05648; 19-PAF02964

Alison Leslie Miller, PI  
09/2015-08/2021. \$4,178,041

*5UH308797905: Parents' Self-regulation and Youth Type 1 Diabetes Management* NIH-DHHS-US- 15-PAF05648; 15-PAF05648; 18-PAF06169; 19-PAF02964  
Alison Leslie Miller, PI  
09/2015-08/2021. \$4,178,041

*5UH308797905: Targeting Self-Regulation to Promote Adherence and Health Behaviors in Children* NIH-DHHS-US- 18-PAF06169; 19-PAF02964; 15-PAF05648; 15-PAF05648  
Alison Leslie Miller, PI  
09/2015-08/2021. \$4,178,041

*5 U24 DK062456-21: Childhood Liver Disease Research Network Data Coordinating Center* NIH-DHHS-US- 14-PAF02928; 19-PAF02177  
Co-I with Effort (Principal Investigator: Magee, John C)  
08/2014-05/2024. \$15,200,068 (\$3,872,450)

*3 U24 DK062456-18S1: Childhood Liver Disease Research Network Data Coordinating Center - FORCE Supplement* NIH-DHHS-US- 19-PAF01640; 14-PAF02928; 19-PAF02177; 20-PAF00854  
Co-I with Effort (Principal Investigator: John C Magee)  
08/2014-05/2024. \$20,985,746

*3 R01 DK062456-19S1: Childhood Liver Disease Research Network Science Data Coordinating Center* NIH-DHHS-US- 19-PAF01640; 14-PAF02928; 19-PAF02177; 21-PAF01019  
Co-I with Effort (Principal Investigator: John C Magee)  
08/2014-05/2024. \$20,985,746

*5 U24 DK062456-21: Childhood Liver Disease Research Network Data Coordinating Center* NIH-DHHS-US- 19-PAF01640; 14-PAF02928; 19-PAF02177  
Co-I with Effort (Principal Investigator: John C Magee)  
08/2014-05/2024. \$20,985,746 (\$3,872,450)

*M2Tech, Mott Mobile Technology for Enhancing Child Health* Charles Woodson Clinical Research Fund, Pediatric Research Discovery and Clinical Application Funding Program  
Co-I (Principal Investigator: Susan J. Woolford, MD, MPH and Joyce M. Lee, MD, MPH)  
03/2013-present. \$129,626

*Program on Mobile Technology in Child Health.* Child Health Evaluation and Research (CHEAR) Program Initiative  
Co-I (Principal Investigator: Susan J. Woolford, MD, MPH and Joyce M. Lee, MD, MPH)  
07/2012-06/2026. \$20,000

### **Past Grants**

*5 K23 DK090202-04: Tailored Medication Adherence Program for Adolescent Liver Transplant Recipients* NIH-DHHS-US- 10-PAF04086  
Emily M. Fredericks, PhD, PI  
09/2011-08/2015. \$440,542 (\$107,526)

*5 U01 DK032456-17: Childhood Liver Disease Research Network Data Coordinating Center* NIH-DHHS-US- 14-PAF02928  
Co-I with Effort (Principal Investigator: John Magee, MD)  
08/2014-05/2019. \$15,200,068 (\$2,800,068)

*3-UH3-HD-087979-04S1: Parents' Self-regulation and Youth Type 1 Diabetes Management* NIH-DHHS-US  
Alison Leslie Miller, PI  
02/2019-08/2020. \$833,574

*R42AG049524: Monitored Breathing Awareness Therapy for Insomnia Disorder in Older Adults* National Institutes of Health  
Other (Principal Investigator: Nalaka Gooneratne, MD)  
05/2018-05/2019. \$736,060

*5 R21 NR016802-02: Advance Care Planning with Adolescents and Young Adults with Advanced Heart Disease.* NIH-DHHS-US- 17-PAF02221  
Co-I with Effort (Principal Investigator: Melissa K Cousino)  
04/2018-03/2020. \$440,249 (\$200,464)

*U48 DP005053-02S1: AYA Self-Management via Texting, Education & Plans for Survivors.* Center for Disease Control Special Interest Project  
Co-I without Effort (Principal Investigator: Christine Hill-Kayser, MD; Site PI: Lisa Schwartz, PhD)  
04/2016-09/2018. \$101,046

*Decision Making in Adolescents and Young Adults Pre-and Post-Heart Transplantation* ISHLT Nursing, Health Sciences and Allied Health Research Grant Award  
Co-I (Principal Investigator: Melissa Cousino, PhD)  
04/2016-04/2017. \$12,000

*iSTART: Using Technology to Improve Transition Readiness Among Adolescent Transplant Recipients* Charles Woodson Interdisciplinary Research Award. Department of Pediatrics, University of Michigan Medical School.  
Emily M. Fredericks, PhD, PI  
10/2015-02/2018. \$15,000

*5UH308797905: Targeting Self-Regulation to Promote Adherence and Health Behaviors in Children* NIH-DHHS-US-18-PAF06169; 15-PAF05648; 19-PAF02964; 15-PAF05648  
Co-I with Effort (Principal Investigator: Alison Leslie Miller)  
09/2015-08/2020. \$4,178,041

*5UH308797905: Targeting Self-Regulation to Promote Adherence and Health Behaviors in Children* NIH-DHHS-US-15-PAF05648; 18-PAF06169; 19-PAF02964; 15-PAF05648  
Alison Leslie Miller, PI  
09/2015-08/2020. \$4,178,041

*5 UH2 HD087979-03: Targeting Self-Regulation to Promote Adherence and Health Behaviors in Children* NIH-DHHS-US- 15-PAF05648  
Co-I with Effort (Principal Investigator: Alison Miller, PhD)  
09/2015-08/2018. \$2,117,803

*Impact of Behavioral Feeding Intervention on Parent-Child Attachment in Young Children* Gerber Foundation- 13-PAF07294  
Co-I (Principal Investigator: Amy K. Drayton)  
12/2013-11/2014. \$19,994 (\$19,994)

*P50 CA101451: iSTART: Individualized Self-management Training in Adolescent/Young Adult Recipients of Transplant* University of Michigan CHCR Developmental Award funded by Michigan Center for Health Communications Research II  
Emily M. Fredericks, PI  
09/2012-08/2013. \$32,652

*Transition Readiness and Medication Adherence in Pediatric Transplant Recipients* UM Department of Pediatrics, Division of Child Behavioral Health  
Emily M. Fredericks, PI  
05/2010-02/2013. \$10,000

*NCCR/CTSA (UL1RR024986): Self-Management and Transition Readiness in Adolescent Liver Transplant Recipients* KL2 Mentored Scholars Program. Michigan Institute for Clinical and Health Research (MICHR).  
Emily M. Fredericks, PhD, PI  
05/2009-08/2011. \$110,000

*045694: Functional Outcomes of Pediatric Liver Transplantation* SubK-NIH-DHHS-US through a consortium with Children's Memorial Hospital- 09-2635  
Emily M. Fredericks, PhD, PI  
04/2009-03/2011. \$21,750 (\$21,750)

*An Intervention to Target Adherence in Pediatric Solid Organ Transplant Recipients* Office of the Vice President for Research (OVPR)

Emily M. Fredericks, PhD, PI  
05/2008-08/2010. \$21,856

*1U01DK062456-01: Biliary Atresia Research Consortium (BARC): Data Coordinating Center* NIH/NIDDK  
Co-I (Principal Investigator: John C. Magee)  
01/2008-05/2009. \$2,634,534

*A Prospective Assessment of Psychological Predictors of Health Outcomes in Pediatric Solid Organ Transplantation*  
C.S. Mott Golf Classic Award. Department of Pediatrics, University of Michigan Medical School  
Emily M. Fredericks, PhD, PI  
01/2007-02/2012. \$15,000

## Honors and Awards

### International

2007 Travel Award, 4th Congress of the International Pediatric Transplant Association (IPTA)

### National

2011 American Transplant Congress Poster of Distinction, "Adherence and Health Outcomes following the Transfer from a Pediatric to Adult Liver Transplant Clinic."

2017 American Transplant Congress Poster of Distinction, "A Pilot Test of the "Individualized Self-Management Training in Adolescent/Young Adult Recipients of Transplantation (iSTART)" Program."

### Regional

2001 Kalamazoo Community Medical and Health Research Conference, Poster Presentation Award, Kalamazoo, MI

### Institutional

1997 Magna Cum Laude, Saint Mary's College, Notre Dame, IN

2000 Graduate Opportunity for Long-Term Development (GOLD) Award, Western Michigan University

2000 Graduate Student Research Travel Award. Western Michigan University

2001 Research and Creative Scholar Award, Western Michigan University

2009-2011 KL2 Scholars Award, Michigan Institute for Clinical Research (MICHR)

2017-2019 Rudi Ansbacher Women in Academic Medicine Scholar

## Memberships in Professional Societies

2003-present Member, American Psychological Association

2003-present Member, Division 54 of the American Psychological Association, Society of Pediatric Psychology

2007-present Member, International Pediatric Transplant Association

2010-present Member, American Society of Transplantation

2012-present Member, Division 38 of the American Psychological Association, Health Psychology

2013-present Member, Division 12 of the American Psychological Association, Society of Clinical Psychology

2013-present Member, Section VIII of Division 12 of the American Psychological Association, Association of Psychologists in Academic Health Centers (APAHC)

2018 Member, Society for Pediatric Research

## Editorial Positions, Boards, and Peer-Review Service

## Study Sections

### International

- 2008 SickKids Foundation, Hospital for Sick Children, Toronto (Ad Hoc)  
2011 Mazankowski Alberta Heart Institute, Edmonton (Ad Hoc)

### National

- 2013 Childhood Liver Disease and Education Network (ChiLDREN) (Ad Hoc)

### Editorial Boards

- 2008 Editorial Review Board, Handbook of Pediatric Psychology (4th edition)  
2013-2014 Annual Conference Co-Chair, Society of Pediatric Psychology Board of Directors  
2013-2016 Editorial Review Board, Journal of Pediatric Psychology  
2013-present Editorial Review Board, Pediatric Transplantation  
2014-2015 Annual Conference Chair, Society of Pediatric Psychology Board of Directors

### Journal Reviewer

- 2000-2002 Indian Journal of Pediatrics (Ad Hoc)  
2000-present Pediatrics  
2000 International Pediatrics (Ad Hoc)  
2005 Journal of Child and Adolescent Psychopharmacology (Ad Hoc)  
2007-present American Journal of Transplantation  
2007-present Pediatric Transplantation  
2009-present Journal of Pediatric Psychology  
2009 The American Transplant Congress, Psychosocial and Compliance Issues  
2010-present Health and Quality of Life Outcomes (Ad Hoc)  
2010-present Journal of Psychosomatic Research (Ad Hoc)  
2012-present Transplantation  
2012 Midwest Regional Conference on Pediatric Psychology  
2013 American Psychological Association (APA) Conference, Division 54  
2013 Journal of Adolescent Health (Ad Hoc)  
2013 National Conference on Pediatric Psychology  
2014-present Health Psychology  
2014 Society of Pediatric Psychology Annual Conference

## Teaching

### Graduate Student

- 03/2015-08/2015 Jessica Sevecke, MA, Clinical and Research Mentor, Pediatric Psychology Internship, University of Michigan. Current position: Faculty Psychologist, Geisinger Neuroscience Institute, Department of Psychiatry

### Postdoctoral Fellow

- 09/2005-08/2007 Jennifer Butcher, PhD, Clinical Supervisor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan. Current position: Associate Clinical Professor of Pediatrics, University of Michigan Medical School  
09/2007-08/2009 Dawn Dore-Stites, PhD, Research Mentor and Clinical Supervisor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan. Current position: Assistant Clinical Professor of Pediatrics, University of Michigan  
09/2008-08/2010 Matthew Myrvik, PhD, Clinical Supervisor and Research Co-mentor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan. Current position: Assistant Professor of Orthopaedic Surgery & Pediatrics, Medical College of Wisconsin

- 09/2010-08/2012 Amy Drayton, PhD, Clinical Supervisor and Research Co-mentor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan. Current position: Assistant Clinical Professor of Pediatrics, University of Michigan
- 09/2011-08/2013 Melissa Andersen, PhD, Research Mentor and Clinical Supervisor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan. Current position: Assistant Clinical Professor of Pediatrics, University of Michigan
- 09/2013-08/2015 Christina Limke, PsyD, Clinical Supervisor and Research Co-mentor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan. Current position: Staff Psychologist, DeVos Children's Hospital, Grand Rapids, MI.
- 09/2016-08/2018 Sara Taylor, PhD, Clinical Supervisor and Research Co-mentor, Pediatric Psychology Fellowship, Department of Pediatrics, University of Michigan.

### **Undergraduate Student**

- 09/2006-05/2007 Andrew Well, BS, Faculty Sponsor, Undergraduate Research Opportunity Program (UROP), University of Michigan. Current Position: Resident Physician, Department of General Surgery, Wayne State University School of Medicine
- 07/2015-06/2016 Caitlin Shneider, BA, Honors Thesis Chair, Department of Psychology, University of Michigan. Current Position: clinical research assistant at Children's National Medical Center in the Center for Translational Science.

### **Teaching Activity**

#### **National**

- 04/2008-present "Pediatric Transplantation: Complications of Nonadherence and Issues related to Transition to Adulthood." The ASTS Academic Universe. 20 April 2008. The American Society of Transplant Surgeons. <http://www.ASTSuniverse.org>.
- 06/2016-present "Adherence and Transition from Adolescence." AST Comprehensive Trainee Curriculum. June 2016. The American Society of Transplantation. <https://www.myast.org/education>

#### **Institutional**

- 05/1999-06/1999 Graduate Teaching Assistant, Child Psychology Course, Department of Psychology, Western Michigan University, Kalamazoo Michigan
- 08/1999-05/2002 Instructor, Child Psychology Course, Department of Psychology, Western Michigan University, Kalamazoo Michigan
- 05/2001-05/2002 Behavioral and Developmental Pediatrics Resident Lecture Series, Weekly Lectures in areas of psychological assessment, psychosocial interviewing, child development, developmental psychopathology, principles of behavior management, Department of Pediatrics, MSU/KCMS, Kalamazoo Michigan
- 05/2001-05/2002 Supervision and Mentoring of Psychology Practicum Students, Department of Pediatrics, MSU/KCMS, Kalamazoo Michigan
- 08/2001-05/2002 Coordinator. Child Psychology Course, Department of Psychology, Western Michigan University, Kalamazoo Michigan
- 01/2004-09/2005 The Pediatrician's Role in School Service Planning. Monthly Resident Lecture, Developmental and Behavioral Pediatrics Rotation, Department of Pediatrics, University of Michigan Medical School.
- 09/2005-05/2006 Behavior Assessment and Behavior Management for Parents. Monthly Resident Lecture, Developmental and Behavioral Pediatrics Rotation, Department of Pediatrics, University of Michigan Medical School.
- 09/2005-07/2008 Director of Clinical Training, Pediatric Psychology Practicum, Division of Child Behavioral Health
- 09/2005-08/2009 Attending Psychologist, Pediatric Multidisciplinary Sleep Clinic, Department of Pediatrics, University of Michigan Medical School
- 09/2005-09/2011 Director of Clinical Training, University of Michigan Pediatric Psychology Postdoctoral Fellowship, Division of Child Behavioral Health
- 09/2005-present Attending Psychologist, Pediatric Liver Transplant Clinic, Department of Pediatrics, University of Michigan Medical School

05/2006-08/2013 Pediatric Sleep Disorders. Monthly Resident Lecture, Developmental and Behavioral Pediatrics Rotation, Department of Pediatrics, University of Michigan Medical School.

09/2007 Pediatric Sleep Disorders. Pediatric Psychology Clinical Conference. Division of Child Behavioral Health. Department of Pediatrics, University of Michigan Medical School.

11/2008 Teen pregnancy+chronic illness=challenging conversations. Pediatric Psychology Clinical Conference. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

03/2009 START: Self-management training for adolescent/young adult recipients of transplantation. Pediatric Psychology Research in Progress Seminar. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

06/2009 Developmental Issues with Chronic Illnesses and Adolescents. Morning Report. Department of Pediatrics, University of Michigan Medical School

12/2009 Development of a Tailored Intervention to Promote Adherence in Adolescent/Young Adult Transplant Recipients. Pediatric Psychology Research in Progress Seminar. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

12/2010 Clinical Case Presentation. Division of Child Behavioral Health CME Conferences. Department of Pediatrics, University of Michigan Medical School.

06/2011 Developmental Issues and Chronic Illness. Morning Report. Department of Pediatrics, University of Michigan Medical School.

11/2011 Research in progress. Division of Child Behavioral Health CME Conferences, Department of Pediatrics, University of Michigan Medical School.

11/2012 Transition from Pediatric to Adult Care. Trainee-Focused Seminar. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

02/2014 Behavioral Research in a Medical Setting. Trainee-Focused Seminar. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

02/2014 Practical Aspects of a Research Career. Trainee-Focused Seminar. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

02/2015 Medical Regimen Adherence Applications, EBT Series, Pediatric Psychology Seminar. Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

07/2015 Preparing for an Academic Career, Pediatric Psychology Seminar, Division of Child Behavioral Health, Department of Pediatrics, University of Michigan Medical School.

01/2016 Clinical Series, Medical Regimen Adherence Part 1, Division of Pediatric Psychology, Department of Pediatrics, University of Michigan Medical School.

01/2016 Clinical Series, Medical Regimen Adherence Part 2, Division of Pediatric Psychology, Department of Pediatrics, University of Michigan Medical School.

11/2017 Complex/Ethical Case Presentation: Substance Use Policy in Pediatric Transplant Population. Division of Pediatric Psychology, Department of Pediatrics, University of Michigan Medical School.

11/2017 Illness Self-Management and Medication Adherence, HBHE 710 Child Health and Development, School of Public Health, University of Michigan

11/2018 Medication Regimen Adherence, Division of Pediatric Psychology, Department of Pediatrics, University of Michigan Medical School.

12/2018 Illness Self-Management and Medication Adherence, HBHE 710 Child Health and Development, School of Public Health, University of Michigan



## Clinical Track Scholarly Contribution

### Clinician-Research Scholar (translational science, clinical research, health services research)

As a Clinical Associate Professor within the Department of Pediatrics and the Child Health Evaluation and Research (CHEAR) Center at the University of Michigan, I am dedicated to patient-oriented research. Since 2005, I have served as the pediatric psychologist within the Pediatric Liver Transplant program, providing comprehensive clinical care to pediatric transplant recipients and their families. My primary research activities focus on the promotion of medication adherence, health care transitions, and health-related quality of life (HRQOL) in pediatric solid organ transplantation and pediatric liver disease. I am also involved in collaborative research focused on the promotion of self-management skills in other pediatric populations including childhood cancer survivors, children with obesity, children with diabetes, and adolescents with inflammatory bowel disease (IBD). My research activities have been continuously supported through funding from the University of Michigan and the NIH.

## Committee and Administrative Services

### Committee Services

#### National

2005	Consensus Conference on Transition to Adult Care for Adolescent Transplant Recipients, Invited Participant
2009-present	Studies in Pediatric Liver Transplant (SPLIT), Research Committee, Member
2011-2013	American Society of Transplantation, Community of Allied Health Professionals (COAHP), Member
2011-present	American Society of Transplantation, Joint Adult & Pediatric Transition Workgroup, Steering Committee Member
2011-present	American Society of Transplantation, Pediatric Community of Practice (PCOP), Member
2011-present	Division 54 Adherence Special Interest Group (SIG) Committee on Translational Research and Dissemination, Co-Chair
2011-present	Division 54 Adolescent/Young Adult Transition Special Interest Group (SIG), Member
2011-present	Studies in Pediatric Liver Transplant (SPLIT), Presentation and Publications Committee, Ad hoc Reviewer
2013-2014	Society of Pediatric Psychology Annual Conference Planning Committee, Co-Chair
2013-2015	Division 54 of the American Psychological Association, Pediatric Psychology, Board Member
2014-2015	Society of Pediatric Psychology Annual Conference Planning Committee, Chair
2014-present	American Society of Transplantation, Psychosocial Community of Practice (PSCOP), Member
2015-2016	2016 Society of Pediatric Psychology Annual Conference Planning Committee, Member
2015	Health Services Research Seminar Series, Child Health Evaluation and Research (CHEAR) unit, University of Michigan, Co-Chair
2016	American Society of Transplantation Transition Consensus Conference, Invited Participant
2017-present	Solid Organ Transplant Special Interest Group, Society of Pediatric Psychology, Member

#### Institutional

1999-2001	Western Michigan University, Clinical Psychology Student Organization, Student Mentorship Program, Coordinator
2000-2001	Western Michigan University, Clinical Psychology Student Organization, Brown Bag Lunch Committee, Coordinator
2001-2002	Western Michigan University, Clinical Psychology Student Organization, Internship Committee, Coordinator
2005-2011	University of Michigan Health System Pediatric Psychology Clinical Training Committee, Director
2005-present	University of Michigan Health System Pediatric Liver Transplant Evaluation Committee, Member

2008-2011	University of Michigan Health System C.S. Mott Children's Hospital Psychosocial Services Committee, Member
2018-present	Diversity, Equity, and Inclusion (DEI) Committee, Division Champion
2018	Sentinel Event Review Committee, Team Lead

## **Administrative Services**

### **Consulting Positions**

05/1997-08/1998 Consultant, Genesys Hillside Behavioral Center, Flint, Michigan

## **Visiting Professorships and Extramural Invited Presentations**

### **Visiting Professorships**

03/2010 Psychological Aspects of Transition and Adherence, Northwestern University, Feinberg School of Medicine, Siragusa Transplant Center, Children's Memorial Hospital, March 2010, Chicago, IL

03/2012 Transition from Pediatric to Adult Transplant Care: Risky Business or Much Ado about Nothing, Pediatric Liver Care Center and The Center for Adherence Promotion and Self-Management. Cincinnati Children's Hospital Medical Center, March 2012, Cincinnati, OH

### **Extramural Invited Presentations**

1. Interpreting Psychological Reports, MSU/KCMS, Department of Psychology, August 2001, Kalamazoo, MI
2. Academic and Psychosocial Risk Factors in Neurofibromatosis, National Neurofibromatosis Foundation, Michigan Chapter, October 2003, Frankenmuth, MI
3. Autism, Mental Retardation and Learning Disorders, University of Michigan Medical School 19th Annual Pediatric Board Review Course, September 2006, Ann Arbor, MI
4. Autism and Sleep Problems, University of Michigan Medical School 20th Annual Pediatric Board Review Course, August 2007, Ann Arbor, MI
5. "Pediatric Transplantation: Complications of Nonadherence and Issues related to Transition to Adulthood." The ASTS Academic Universe. 20 April 2008., The American Society of Transplant Surgeons. <http://www.ASTSUniverse.org>, April 2008, Web-based Education
6. Autism and Sleep Problems, University of Michigan Medical School 21st Annual Pediatric Board Review Course, September 2008, Ann Arbor, MI
7. Nonadherence to the Transition to Adulthood, Association for the Advancement of Liver Disease /International Liver Transplant Society (AASLD/ILTS) Transplant Course, October 2009, Boston, MA
8. Transition from Pediatric to Adult-Centered Care. The 34th Annual Midwinter Family Practice Update, University of Michigan, Department of Family Medicine, February 2010, Boyne Highlands, MI
9. Pediatric Behavioral Sleep Disorders, The 34th Annual Midwinter Family Practice Update, University of Michigan, Department of Family Medicine, February 2010, Boyne Highlands, MI
10. Adolescent Development, Chronic Illness and Regimen Adherence, The 34th Annual Midwinter Family Practice Update, University of Michigan, Department of Family Medicine, February 2010, Boyne Highlands, MI
11. The Role of Adherence in the Transition from Pediatric to Adult Centered Care, The Society of Pediatric Psychology, National Conference in Pediatric Psychology, April 2011, San Antonio, TX
12. Transition from Pediatric to Adult Transplant Care: Risky Business or Much Ado about Nothing?, Department of Pediatrics Grand Rounds, Beaumont Children's Hospital, May 2011, Royal Oak, MI
13. Normal versus Abnormal Emotional Adjustment: A Thin Line?, International Pediatric Transplant Association (IPTA) 6th Congress Postgraduate Course, June 2011, Montreal, QC, Canada
14. Pediatric Behavioral Sleep Disorder, Updates in Family Medicine CME Course, Presented by University of Michigan Department of Family Medicine and Michigan Academy of Family Physicians, October 2011, Ann Arbor, MI
15. Transition-A Pediatric Practitioner's Perspective (OR.. They can't/won't take care of my patient the same way!), IPTA Session: The Art and Science of Transition: Transition Nuts and Bolts, Annual Meeting of the American Transplant Congress (ATC), June 2012, Boston, MA

16. Tackling the Psychosocial Quality of Life Challenges Facing the Pediatric Patient with Viral Hepatitis, AASLD/NASPGHAN Pediatric Symposium, "New Discoveries, Controversies, and Differences in Pediatric Viral Hepatitis", November 2012, Boston, MA
17. Psychiatric Illness in SOT: Causes, Recognition, Treatment and Effect on Transplant Outcome. Parallel Workshop 4 - Psychiatric illness in SOT patients, International Pediatric Transplant Association (IPTA) 8th Congress, March 2015, San Francisco, CA
18. Assessment and Mitigation of Failure of Self-Management, 2015 SPLIT Annual Meeting, September 2015, Cincinnati, OH
19. Transition from Pediatric to Adult Liver Transplant Care, the 2016 AST Transition Consensus Conference, Sponsored by Genentech Legacy Project, July 2016, Chicago, IL
20. Post-Transplant Adherence: What Does Psychology Have to Do With It?, NASPGHAN Annual Meeting, November 2017, Las Vegas, NV
21. State of Science on Transition Readiness. Digital Wings: Innovations in Transition Readiness for Teenage Transplant Recipients. Multi-stakeholder Symposium., Johns Hopkins Hospital, February 2018, Baltimore, MD
22. Endpoints: What Defines a Successful Transition? Digital Wings: Innovations in Transition Readiness for Teenage Transplant Recipients, Digital Wings: Innovations in Transition Readiness for Teenage Transplant Recipients. Multi-stakeholder Symposium, Johns Hopkins Hospital, January 2019, Baltimore, MD

### **Seminars**

1. Implementing Insulin Pump Therapy in Preschoolers with Type I Diabetes Mellitus: A Pilot Investigation of Medical and Quality of Life Outcomes, Pediatric Endocrinology Seminar Series, Department of Pediatrics, University of Michigan Health System, July 2004, Ann Arbor, MI
2. The STEP Project: Studying Transplant Experiences in Pediatrics, Pediatric Liver Transplant Meeting, Departments of Pediatrics and Surgery, University of Michigan Health System, April 2005, Ann Arbor, MI
3. Quality of Life and Adherence in a Pediatric Liver Transplant Population: Preliminary Findings and Future Directions, Pediatric Gastroenterology Seminar Series, Department of Pediatrics, University of Michigan Health System, September 2005, Ann Arbor, MI
4. The Role of Pediatric Psychology in the Treatment of Functional Abdominal Pain, Pediatric Gastroenterology Seminar Series, Department of Pediatrics, University of Michigan Health System, April 2006, Ann Arbor, MI
5. The Role of Pediatric Psychology in the Treatment of Functional Abdominal Pain, Pediatric Gastroenterology Seminar Series, Department of Pediatrics, University of Michigan Health System, February 2007, Ann Arbor, MI
6. Studies with and IMPACT: Identifying Modifiable Predictors of Adherence in Childhood Transplant, Child Health Evaluation and Research (CHEAR) Unit, Division of General Pediatrics. Department of Pediatrics, University of Michigan Health System, October 2007, Ann Arbor, MI
7. Study of Transplant Experiences in Pediatrics (STEP): Teen Project. Nonadherence and Quality of Life., University of Michigan Transplant Center Research Rounds, October 2008, Ann Arbor, MI
8. The Transition from Pediatric to Adult-Centered Transplant Care: What's Adherence Got to Do with it?, Child Health Evaluation and Research (CHEAR) Unit, Division of General Pediatrics, Department of Pediatrics, University of Michigan Health System, December 2008, Ann Arbor, MI
9. Development of a Tailored Intervention to Promote Adherence in Adolescent/Young Adult Transplant Recipients. Pediatric Psychology Research in Progress Seminar, The University of Michigan, Division of Child Behavioral Health, December 2009, Ann Arbor, MI
10. Pediatric Behavioral Sleep Disorders, Department of Family Medicine Grand Rounds, University of Michigan Medical School, July 2010, Ann Arbor, MI
11. Transition from Pediatric to Adult Transplant Care: Risky Business or Much Ado About Nothing?, Department of Pediatrics Grand Rounds, University of Michigan Health System, August 2010, Ann Arbor, MI
12. iSTART: Tailored Intervention to Increase Medication Adherence in Adolescent Liver Transplant Recipients, Center for Health Communications Research Seminar Series, University of Michigan, December 2010, Ann Arbor, MI

13. iSTART me up! Tailoring Technology to Improve Self-Management in Adolescent/Young Adult Liver Transplant Recipients, Child Health Evaluation and Research (CHEAR) Unit, Division of General Pediatrics, Department of Pediatrics, University of Michigan, December 2012, Ann Arbor, MI
14. "Growing up and Growing out of Pediatric Specialty Care: The Case for Transition Programs for Kids with Chronic Medical Conditions", Child Health Evaluation and Research (CHEAR) Unit, Division of General Pediatrics, Department of Pediatrics, University of Michigan Health System, March 2014, Ann Arbor, MI
15. "Outgrowing Pediatrics: An Exploration of Parent Perceptions of Transition and Self-management Skills", Child Health Evaluation and Research (CHEAR) Unit, Division of General Pediatrics, Department of Pediatrics, University of Michigan Health System, November 2014, Ann Arbor, MI
16. Do Tech Tools Help Teen Transplant Recipients? The iSTART Project, Department of Pediatric Grand Rounds, University of Michigan Health System, December 2015, Ann Arbor, MI
17. Schwartz LA, Amaral S, Crosby LE, Devine KA, Dowshen N, Psihogios A, **Fredericks EM**. Developing and Implementing mHealth Interventions to Improve Health Outcomes of AYA Living with Chronic Health Conditions: Lessons Learned and Practical Advice. Preconference Workshop., Society of Pediatric Psychology Annual Conference, April 2018, Orlando, FL
18. Transition from Pediatric to Adult Transplant Care: Clinical Practice, Research, and Policy. Health Services Research Seminar, Susan B. Meister Child Health Evaluation and Research (CHEAR) Center. Michigan Medicine, February 2019, Ann Arbor, MI
19. Schwartz LA, Amaral S, Crosby LE, Devine KA, Dowshen N, Psihogios A, **Fredericks EM**. Developing and Implementing mHealth Interventions to Improve Health Outcomes of AYA Living with Chronic Health Conditions: Lessons Learned and Practical Advice., Research Institute. Society for Adolescent Health and Medicine (SAHM) Annual Meeting, March 2019, Washington, DC

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### Peer-Reviewed Journals and Publications

1. Kollins SH, **MacDonald EK**, Rush CR: Assessing the abuse potential of methylphenidate in nonhuman and human subjects: A review. *Pharmacology, Biochemistry and Behavior* 68: 611-627, 2001.
2. Brill SR, Patel DR, **MacDonald EK**: Psychosomatic disorders in pediatrics. *Indian J Pediatr* 68: 597-603, 2001.
3. **MacDonald EK**, Patel DR: Adolescent substance abuse treatment: A primer for pediatricians. *Int J Pediatr* 17(1): 5-12, 2002.
4. **MacDonald EK**: Principles of behavior assessment and management. *Pediatr Clin North Am* 50(4): 801-816, 2003.
5. **Fredericks EM**, Kollins SH: Assessing methylphenidate preference in ADHD patients using a choice procedure. *Psychopharmacology (Berl.)* 175(4): 391-398, 2004. PM15258716
6. **MacDonald Fredericks E**, Kollins SH: A pilot study of methylphenidate preference assessment in children diagnosed with attention-deficit/hyperactivity disorder *J Child Adolesc Psychopharmacol* 15(5): 729-741, 2005. PM16262590
7. **Fredericks EM**, Lopez MJ, Magee JC, Shieck V, Opiari-Arrigan L: Psychological functioning, nonadherence and health outcomes after pediatric liver transplantation. *Am. J. Transplant.* 7(8): 1974-1983, 2007. PM17617862
8. Opiari-Arrigan L, **Fredericks EM**, Burkhart N, Dale L, Hodge M, Foster C: Continuous subcutaneous insulin infusion benefits quality of life in preschool-age children with type 1 diabetes mellitus. *Pediatr Diabetes* 8(6): 377-383, 2007. PM18036064
9. **Fredericks EM**, Magee JC, Opiari-Arrigan L, Shieck V, Well A, Lopez MJ: Adherence and health-related quality of life in adolescent liver transplant recipients. *Pediatr Transplant* 12(3): 289-299, 2008. PM18282211/PMC-
10. **Fredericks EM**: Nonadherence and the transition to adulthood. *Liver Transpl.* 15: S63-S69, 2009. PM19876953/PMC-
11. Weissberg-Benchell J, Zielinski TE, Rodgers S, Greenley RN, Askenazi D, Goldstein SL, **Fredericks EM**, McDiarmid S, Williams L, Limbers CA, Tuzinkiewicz K, Lerret S, Alonso EM, Varni JW: Pediatric health-related quality of life: Feasibility, reliability and validity of the PedsQL transplant module. *Am. J. Transplant.* 10(7): 1677-1685, 2010. PM20642689

12. **Fredericks EM**, Dore-Stites D: Adherence to immunosuppressants: how can it be improved in adolescent organ transplant recipients? *Curr Opin Organ Transplant* 15(5): 614-620, 2010. PM20651598/PMC-
13. **Fredericks EM**, Dore-Stites D, Well A, Magee JC, Freed GL, Shieck V, James Lopez M: Assessment of transition readiness skills and adherence in pediatric liver transplant recipients. *Pediatr Transplant* 14(8): 944-953, 2010. PM20598086
14. **Fredericks EM**, Dore-Stites D, Lopez MJ, Well A, Shieck V, Freed GL, Eder SJ, Magee JC: Transition of pediatric liver transplant recipients to adult care: Patient and parent perspectives. *Pediatr Transplant* 15(4): 414-424, 2011. PM21521433
15. **Fredericks EM**, Dore-Stites D, Calderon SY, Well A, Eder SJ, Magee JC, Lopez MJ: Relationship between sleep problems and health-related quality of life among pediatric liver transplant recipients. *Liver Transpl.* 18(6): 707-715, 2012. PM22344942
16. **Fredericks EM**: Family roles and routines after pediatric liver transplantation: Implications for quality of life and beyond. *Pediatr Transplant* 16(7): 688-691, 2012. PM22905950
17. **Fredericks EM**, Lopez MJ: Transition of the adolescent transplant patient to adult care. *Clin Liver Dis (Hoboken)* 2(5): 223-226, 2013. PM30992868/PMC6448653
18. Wu YP, Rohan JM, Martin S, Hommel K, Greenley RN, Loiselle K, Ambrosino J, **Fredericks EM**: Pediatric psychologist use of adherence assessments and interventions *J Pediatr Psychol* 38(6): 595-604, 2013. PM23658375
19. Alonso EM, Ng VL, Anand R, Anderson CD, Ekong UD, **Fredericks EM**, Furuya KN, Gupta NA, Lerret SM, Sundaram S, Tiao G.: The SPLIT research agenda 2013 *Pediatr Transplant* 17(5): 412-422, 2013. PM23718800
20. Sundaram SS, Alonso EM, Haber B, Magee JC, **Fredericks E**, Kamath B, Kerkar N, Rosenthal P, Shepherd R, Limbers C, Varni JW, Robuck P, Sokol RJ.: Health related quality of life in patients with biliary atresia surviving with their native liver *J. Pediatr.* 163(4): 1052-1057.e2, 2013. PM23746866
21. Gleit R, Freed GL, **Fredericks EM**: Transition Planning: Teaching Sexual Self-Management *Contemp Pediatr* 31(4): 16-22, 2014.
22. Duncan CL, Mentrikoski JM, Wu YP, **Fredericks EM**: Practice-Based Approach to Assessing and Treating Non-Adherence in Pediatric Regimens *Clin Pract Pediatr Psychol* 2(3): 322-336, 2014.
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31. McGrady ME, Ryan JL, Gutiérrez-Colina AM, **Fredericks EM**, Towner EK, Pai AL: The impact of effective paediatric adherence promotion interventions: Systematic review and meta-analysis *Child: Care, Health and Development* 41(6): 789-802, 2015. PM26255643

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33. Cousino MK, Rea KE, Schumacher KR, Magee JC, **Fredericks EM:** A systematic review of parent and family functioning in pediatric solid organ transplant populations *Pediatric Transplantation* 21(3): e12900, 2017. PM28181361
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## Non-Peer-Reviewed Journals and Publications

1. **Fredericks EM**: Helping our Pediatric Patients Transition to Healthy Adulthood *University of Michigan Transplant Center Newsletter* Winter: 7, 2013.
2. **Fredericks EM**, Singer DC, Kauffman AD, Gebremariam A, Matos-Moreno A, Clark SJ, Davis MM: Can Their 18-year-olds Make a Doctor's Appointment? Half of Parents Say No C.S. Mott Children's Hospital National Poll on Children's Health, *University of Michigan* 22(5): 1, 2014.

## Book Chapters

1. **Fredericks EM**, Opiari-Arrigan LC: Behavioral Assessment in Children and Adolescents. *Behavioral Pediatrics*, Greydanus DE, Patel DR, Pratt HD iUniverse Inc, 2006. 2nd, 651-669
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## Other Media

### Original contribution

1. **Fredericks EM**: How can we measure or predict transition readiness?, ASN Kidney News, 2012.

### Abstracts

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14. Kollins SH, **Fredericks EM**: Reinforcing and subjective effects of methylphenidate in adults with ADHD., The Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Washington, DC, 2004.
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