# Welcome to the Autism and Developmental Disabilities Track Orientation!





## Overview of Autism and Developmental Disabilities Internship

**Erin M Olson, PhD** (she/her/hers) Autism and Developmental Disabilities Internship Track Coordinator

Clinical Associate Professor UW-SOM Psychiatry and Behavioral Sciences

Training Director, Seattle Children's Autism Center

Attending Psychologist, Seattle Children's Autism Center & Institute on Human Development and Disability



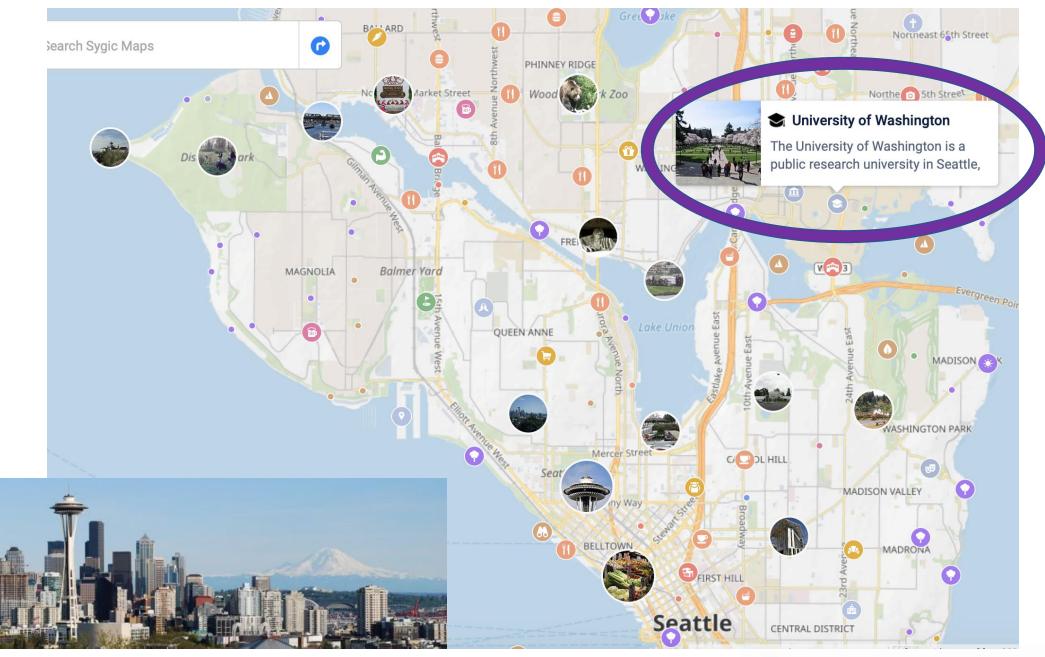


#### YOU ARE AMAZING!!!



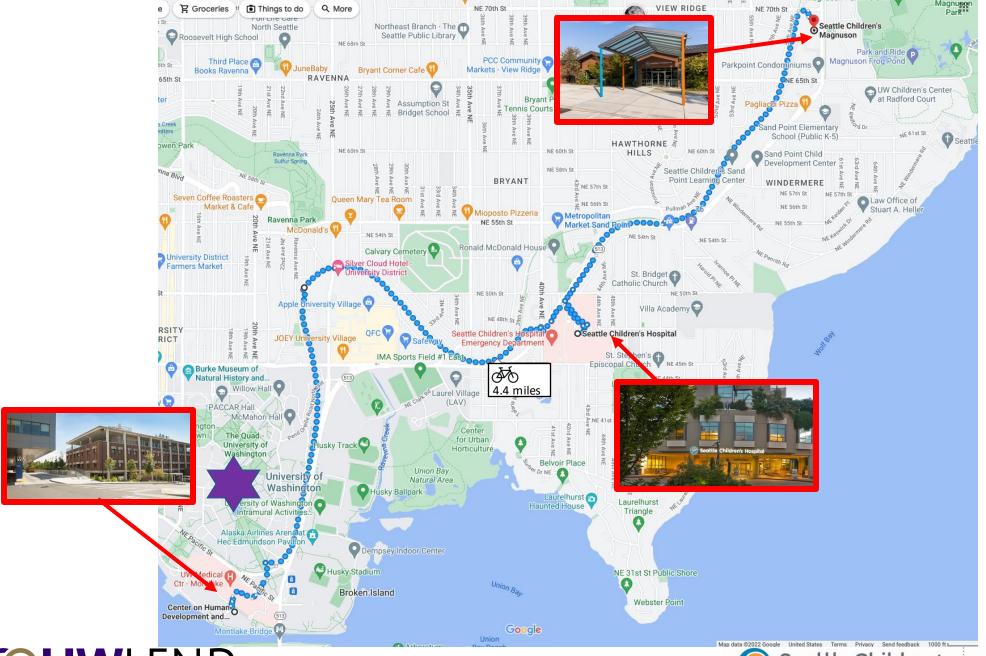
WHO'S AWESOME?

You're awesome!













## Clinical Training Opportunities at 3 sites

**OUW**LEND

IHDD



Seattle Children's Autism Center

Child Development Clinic

Infant Development Follow-Up Clinic

Cardiac Neurodevelopmental Clinic

Down Syndrome
Specialty Clinic

ASD Dx Eval Clinic

Biobehavior (outpatient)

Early Intervention ABA

Gender Clinic

Mood and Anxiety Clinic

**RUBI** 

**SNACS** 

Short-Term Crisis
Support



Seattle Children's (Main Campus)



**IHDD** 

LEND
Clinical Training
Unit

Leadership Education in Neurodevelopmental and Related Disabilities (LEND)

LEND provides <u>interdisciplinary</u> training to develop clinical expertise and leadership skills in neurodevelopmental disabilities, including autism



#### **LEND**

- 60 LEND programs in US
- UW LEND has interdisciplinary annual cohort of ~35 trainees
  - Graduate students, post-graduate fellows, mid-career community-based health professionals, families and self-advocates
- Training experiences include:
  - Participation in interdisciplinary clinical care in IHDD clinics
  - Weekly didactic seminars and monthly leadership workshops
  - Building leadership skills in autism/DD
    - > Community advocacy
    - > Leadership project

**Applied Behavior Analysis** 

Audiology

Dentistry

Family Leadership Medicine: **Pediatrics** 

Medicine: Adult

**Nursing** 

Nutrition

Occupational Therapy

**Physical** Therapy

Psychology

**Public Health** 

School **Psychology** 

Self-Advocacy

Social Work

Special Education

Speech Language **Pathology** 

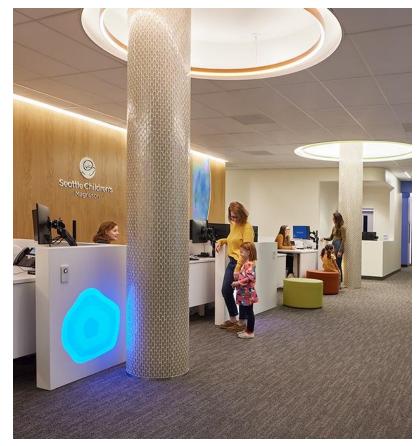


## IHDD Clinics/Clinical Training Unit

- Space:
  - 2nd and 3rd floors of IHDD
  - Observation rooms for trainees in most clinic rooms
- Interdisciplinary Assessment Clinics:
  - Neurodevelopmental evaluation
  - Developmental monitoring for at-risk populations
  - Case conferences designed for interdisciplinary training
  - 3-6 disciplines working together on a case

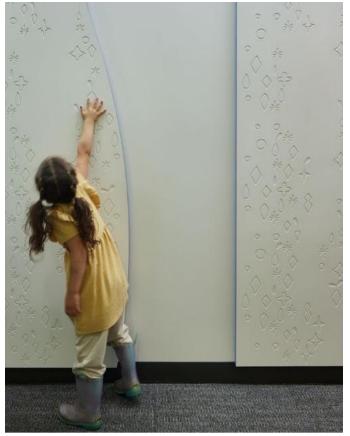














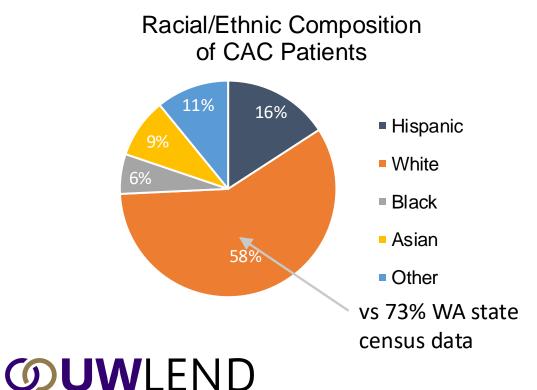


#### **Autism Center**

Established 2009 *Transformed 2022* 

#### Patient Characteristics

- ~4300 unique patients annually
- See patients 15 months young adulthood
- Serve patients regardless of ability to pay
- 63% of patients served have Medicaid insurance







### Internship Format





#### Rotation structure for 2 residents

### PBMU/LEND Rotation 6 months

- 2 days/week in LEND and IHDD Assessment Clinics
- 2 days/week on PBMU

Overlap with General Child Interr

### SCAC/LEND Rotation 6 months

- 1 day/week in LEND and IHDD Assessment Clinics
- 3 days/week in a variety of clinics at the Seattle Children's Autism Center
  - Assessment
  - Treatment
  - Specialty programs
- Based on intern's goals and preferences

Research/Didactics

1 day/week, 12 months

#### Example of DD/ASD Intern Rotation Schedule

	July	August	September	October	November	December	January	February	March	April	May	June
Monday AM												
Monday PM												
Tuesday AM												
Tuesday PM												
Wednesday AM												
Wednesday PM												
Thursday AM												
Thursday PM												
Friday AM												
Friday PM												

Seattle Children's Seattle Children's Hospital

**Autism Center** 

**UW IHDD** 





#### Example of DD/ASD Intern Rotation Schedule

	July	August	September	October	November	December
Monday AM	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC
Monday PM	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC
Tuesday AM	PBMU	PBMU	PBMU	CNC	CNC	CNC
Tuesday PM	PBMU	PBMU	PBMU	CNC	CNC	CNC
Wednesday AM	IDFC	IDFC	IDFC	PBMU	PBMU	PBMU
Wednesday PM	IDFC	IDFC	IDFC	PBMU	PBMU	PBMU
Thursday AM	Research	Research	Research	Research	Research	Research
Thursday PM	Didactics/DEI	Didactics/DEI	Didactics/DEI	Didactics/DEI	Didactics/DEI	Didactics/DEI
Friday AM	PBMU	PBMU	PBMU	PBMU	PBMU	PBMU
Friday PM	PBMU	PBMU	PBMU	PBMU	PBMU	PBMU

Seattle Children's Hospital

Seattle Children's Autism Center

**UW IHDD** 





#### Example of DD/ASD Intern Rotation Schedule

	July	August	September	October	November	December	January	February	March	April	May	June
Monday AM	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC						
Monday PM	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC	LEND/CDC						
Tuesday AM	PBMU	PBMU	PBMU	CNC	CNC	CNC	Research	Research	Research	Research	Research	Research
Tuesday PM	PBMU	PBMU	PBMU	CNC	CNC	CNC	Mood and Anxiety					
Wednesday AM	IDFC	IDFC	IDFC	PBMU	PBMU	PBMU	EI	EI	EI	EI	EI	EI
Wednesday PM	IDFC	IDFC	IDFC	PBMU	PBMU	PBMU	RUBI	RUBI	RUBI	RUBI	RUBI	RUBI
Thursday AM	Research	Research	Research	Research	Research	Research	Mood and Anxiety					
Thursday PM	Didactics/DEI	Didactics/DEI	Didactics/DEI	Didactics/DEI	Didactics/DEI	Didactics/DEI						
Friday AM	PBMU	PBMU	PBMU	PBMU	PBMU	PBMU	Gender	Gender	Gender	Gender	Gender	Gender
Friday PM	PBMU	PBMU	PBMU	PBMU	PBMU	PBMU	Gender	Gender	Gender	Gender	Gender	Gender

Seattle Children's Hospital Seattle Children's Autism Center

**UW IHDD** 





## Choose Your Adventure!

- Today will give you a sense of available options
- After match, we'll discuss your clinical interests and decide on your SCAC rotations
- Research goals and mentor





Internship Clinical Experiences and Training at Institute on Human Development & Disability (IHDD)

Kathleen Lehman, Ph.D. (she/her) Clinical Professor

> Clinical Supervisors: Kathleen Lehman Megan Goldenshteyn





#### Child Development Clinic

- Operating since 1969
- Clinics are on Mondays and Tuesdays
- Interdisciplinary diagnostic clinic funded in part by LEND grant: neurodevelopmental disabilities
- Each child has two to three days of assessments with multiple clinicians.
- Interdisciplinary team meeting to discuss diagnostic impressions and recommendations and then provide feedback to family.
- Age range: Toddler to young adulthood.





Down Syndrome Specialty Clinic

- Operating since 2016, now a sub-clinic of the Child Development Clinic
- Monitoring and Diagnostic Clinic (secondary diagnoses-ASD, ADHD, behavioral problems)
- Age range: 1- young adulthood







## Infant Development Follow-up Clinic

- Operating since 1976 and is a full day clinic every Wednesday.
- Monitoring Clinic-set ages for evaluations
- Infants born premature (< 32 weeks, <1500 grams) or high-risk event in neonatal or prenatal exposures
- Interdisciplinary evaluation of current level of developmental and medical functioning to ensure access to appropriate developmental services. Feedback to families provided same day.
- Age range: 3 months-8 years



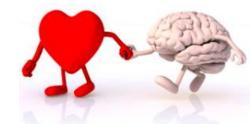




Cardiac Neurodevelopmental Clinic

- Operating since 2015 and is a half-day clinic on the Tuesday mornings.
- Monitoring Clinic-set ages for evaluations
- Children born with congenital heart defect
   (CHD) and open-heart surgery in first year of life
- In 2019, joined Cardiac Neurodevelopmental
   Outcome Collaborative (CNOC)-database (2012)
- Risk assessments for 6 months to 5-year-olds
- Complex assessments for 7 to 18-year-olds and interdisciplinary team feedback
- Age range: 6 months-18 years old.







## Clinical Experiences and Training

- Every Monday at IHDD all year
  - Child Development Clinic and Down Syndrome Specialty Clinic
  - Interdisciplinary evaluations of neurodevelopmental disabilities
  - Focus on learning toddler assessment using the Bayley-4
- Wednesdays 3 months
  - Infant Development Follow-up Clinic
- Tuesdays 3 months
  - Cardiac Neurodevelopmental Clinic



## The Psychiatry and Behavioral Medicine Unit

Eric Boelter, PhD, BCBA-D

Biobehavioral Inpatient Program Director

**Attending Psychologist** 







#### The Psychiatry and Behavioral Medicine Unit

- 41 Beds, patients ages 6-17
- Approximately 1200 patients seen per year
- Unit broken down into 3 subunits child, adolescent, and intellectual/developmental disabilities
- Average length of stay is one week, though some patients stay longer due to severity of mental illness or difficulty in finding appropriate discharge plan
- The only inpatient psychiatric unit in the state that sees patients under 12 or with IDD
- Multidisciplinary team includes psychiatrists, advanced registered nurse practitioners, master's level mental health therapists, psychologists, trainees from all disciplines, nurses, and floor staff as well as consults to other parts of the hospital







Articl

#### Clinical Characteristics of Youth with Autism or Developmental Disability during Inpatient Psychiatric Admission

Emily Neuhaus <sup>1,2,\*</sup>, Anthony Osuna <sup>1,2</sup>, Daina M Tagavi <sup>3</sup>, Sina Shah-Hosseini <sup>1,2</sup>, Shannon Simmons <sup>1,2</sup>, Jennifer Gerdts <sup>1,2</sup> and Alysha D Thompson <sup>1,2</sup>



#### **PBMU Autism Psychology Resident Duties**

#### **Patient Care**

- Complete focused autism evaluations for patients (approximately 2-3 per month)
- Provide expert treatment consultation for patients with autism/developmental disabilities in Child and Adolescent Inpatient programs
- Option:
  - Observe and/or participate in Biobehavioral Inpatient Program
  - Provide additional individual or family therapy for patients with autism/DD
  - Create individualized behavior plans

#### **Other Responsibilities**

- Weekly individual supervision from Autism Center
- Check-Ins with PBMU program leaders, as needed
- Attend PBMU rounds on Biobehavioral, Child and Adolescent Inpatient Programs, as needed
- Program Development to help create and implement programming for patients with developmental disabilities on the PBMU









#### **Training Objectives**

- Skill in working with patients with developmental disabilities who are in crisis
- Appreciation of a multidisciplinary/systems perspective in formulation of and intervention with child's presentation
- Familiarity with child welfare system
- Skillful documentation: Comprehensive, succinct, useful
- Appreciation of strengths and limitations of acute care settings
- Skill in diagnostic assessment for patients with developmental disabilities.
- Skill in working with a multidisciplinary team
- Program development for acute care settings
- Skill in developing and implementing behavioral interventions on a large milieu





#### Biobehavior Inpatient Program (Optional Rotation)

Eric Boelter, PhD, BCBA-D



- Multidisciplinary team: psychiatrist, psychologist, behavior analysts, behavior technicians, and nursing
- Specialized behavioral assessment and ABA-based treatment services for challenging behaviors in intellectual and developmental disabilities, including autism
  - Severe self-injury, aggression, Property Destruction
- Integrated and targeted application of behavioral interventions with a data-based approach
- Inpatient treatment ranging from 10-30+ days
  - PBIS milieu
  - Individual ABA pullout sessions

- <u>Interns gain in-clinic training on different types of behavior analytic procedures.</u>
  - Functional Analysis (Iwata et al. 1982/1994)
  - Preferences assessments
  - Competing Stimulus Assessments
  - Functional Communication training
  - Differential Reinforcement Procedures
  - PBIS Strategies
- In-clinic training on data collection procedures and use of single case designs
  - partial interval data collection
  - data collection using the Noldus Observer System
  - Common designs used: multielement, reversal, multiple baseline





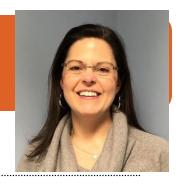


**Autism Center** 

#### Erin Olson, PhD

Training Director, Seattle Children's Autism Center Clinical Associate Professor, UW-SOM

## ABA Day Treatment Program: Intervention *Mendy Minjarez, Ph.D.*



#### Short-term, center-based ABA program

- Increase access/decrease wait time
- Initial "dose" of treatment for autism

#### Comprehensive and intensive services

- ABA
- Embedded speech therapy services
- Parent education/training



Embed behavioral interventions in developmentally appropriate classroom activities



### Autism Center Gender Clinic Felice Orlich, PhD



#### Need for ASD specific gender clinic and training

Gender diverse youth are more likely to be diagnosed with autism spectrum disorder or show similar social challenges, and benefit from personalized and affirmative ASD informed supports. Training opportunities in the ACGC span the full continuum of gender affirming care services at SCH.

#### Our team provides gender affirming care

- We accept new patients ages 17.5 and younger and provide gender-affirming care to people up to age 21.
- Focus on intersectional youth identifying as gender diverse with known or suspected ASD
- Provide supportive interdisciplinary assessment and treatment in coordination with SCH Gender Clinic
- Fully accepts and treats each individual with respect
- Follows best practices for transition-related affirming care and supports
- Aims to address barriers to care for Autistic youth and their families

### ACGC provides the following training opportunities

- ASD specific Gender Support Series to support gender affirming social and medical transitions
- Evaluation of Autism Spectrum Disorder and related concerns for gender diverse youth
- Gender affirming individual and group therapy
- Interdisciplinary SCH Gender Clinic consultation meetings
- Active engagement in research advancing best practices and policy



#### RUBI Clinic Erin Olson, PhD



#### What is RUBI?

- Parent-mediated intervention
- Based on ABA
- Targets challenging behaviors and adaptive skills
- Evidence-based
  - 3 large scale RCTs



#### **Original Investigation**

Effect of Parent Training vs Parent Education on Behavioral Problems in Children With Autism Spectrum Disorder
A Randomized Clinical Trial

Karen Bearss, PhD; Cynthia Johnson, PhD; Tristram Smith, PhD; Luc Lecavalier, PhD; Naomi Swiezy, PhD; Michael Aman, PhD; David B. McAdam, PhD; Eric Butter, PhD; Charmaine Stillitano, MSW; Noha Minshawi, PhD; Denis G. Sukhodolsky, PhD; Daniel W. Mruzek, PhD; Kylan Turner, PhD; Tiffany Neal, PhD; Victoria Hallett, PhD; James A. Mulick, PhD; Bryson Green, MS; Benjamin Handen, PhD; Yanhong Deng, MPH; James Dziura, PhD; Lawrence Scahill, MSN, PhD

- Manualized treatment
  - 11 Core Sessions
    - ABC model, prevention strategies, daily schedules, reinforcement 1&2, following instructions, planned ignoring, FCT, teaching skills 1&2, generalization & maintenance
  - 6 Supplemental Sessions (e.g., toileting, feeding, sleep, time out)
  - 1 Booster Session



#### **Biobehavioral Outpatient Program**

Michael Mullane, PhD, BCBA-D & Andrea B. Lupas, PhD, BCBA

- Specialized behavioral assessment and ABA-based treatment services for challenging behaviors in patients with intellectual and developmental disabilities, including autism
  - Severe self-injury, aggression, property destruction
  - Many patients also have co-occurring anxiety or trauma
  - Integrated and targeted application of behavioral interventions with a data-based approach
  - Behavior is considered a form of communication and is used to meet patient needs
- In-clinic training on data collection procedures and use of single case designs

- Treatment ranging from 5-24 visits
  - Biobehavioral Outpatient Crisis Service (5 visits)
  - Biobehavioral Consult Service (13+ visits)
  - Intensive Outpatient (currently piloting new program, 24 visits)



- Interns gain in-clinic training on different types of behavior analytic procedures
  - Functional Analysis
  - Preferences Assessments
  - Competing Stimulus Assessments
  - Functional Communication Training
  - Differential Reinforcement Procedures





## Short-term Outpatient Crisis Support SOCS Program

Overall goal: Reduce the frequency and intensity of crisis behaviors and prevent the need for emergency department visits and/or inpatient psychiatric hospitalizations. Focus is on prevention and harm reduction through the combination of time-limited, focused supports:

- We meet with caregivers and/or youth 1x/week for 5 weeks (90-minute sessions) to provide:
  - Behavioral and Mental Health Crisis Support for youth and families in order to understand and create plans for crisis behavior reduction.
    - > Decrease the frequency and intensity of youth unsafe behavior (prevention strategies, effective caregiver responses, reinforcement, etc.)
    - > Focus on the caregiver's response and self-regulation during crisis situations
    - > Provide mental health support to youth (if appropriate) and caregivers through coping skills
  - □ Family Resource Support to connect youth/families to community-based follow-up parent training, long-term mental health services, community organizations, and other recommended services

Clinical Supervisors





Seattle Children's

Mendy Minjarez, PhD Andrea Lupas, PhD, BCBA

## **SNACS** Specialized Neurodevelopmental Assessment & Consultation Service Heather Carmichael Olson, PhD; Michelle Kuhn, PhD; & Erin Olson, PhD



#### Clinic aims:

- Evaluate highly diverse children & youth (3-17 yrs) in the outpatient Autism Center setting or PBMU, with psychosocial complexity and prenatal substance exposure
- Offer differential diagnosis/consult on FASD vs/& ASD, complex trauma, other developmental/behavioral concerns
- Serve complex child & family needs with a continuum of care:
  - Short-term specialized assessment & consultation based on scientifically-validated FASD intervention (Families Moving Forward (FMF) Program (an EBP)
  - Connect to group treatment (FAST-B Early Adversity)
  - Provide individualized treatment (FMF Program), as available
  - Partner with community agencies
- Consult on treatment plans, transition to adulthood, and provide provider/school consultation on latest "FASD-informed" treatment





#### Psychology interns can:

- Acquire diagnostic interview, direct observation, testing, & case formulation experience with clinical population affected by prenatal exposures (& complex psychosocial risk factors)
- Observe/partner on SNACS cases with attendings & predoctoral/MA-level practicum students
- Acquire state-of-art knowledge on prenatal substance exposures & intervention research data
- Receive training on consultation &/or service delivery using full FMF Program

#### **Autism Center Mood and Anxiety Program**

Jessica Peterson, PhD

#### Individual Therapy, ages 5–21 years

- Short-term evidencebased treatment
- CBT for anxiety disorders and OCD (emphasis on exposure with response prevention)
- Behavioral Activation for depressive disorders

- Dialectical Behavior Therapy (DBT)informed treatment for lower acuity suicidality
- Comprehensive
   Behavioral
   Intervention (CBIT)
   for tics/Tourette's,
   Trichotillomania, and
   excoriation

#### Group Therapy, ages 8–14 years

Facing Your Fears: Evidence-based anxiety treatment for youth on the autism spectrum ages 8–14 years.

#### Trainees:

- Hold 2–3 weekly individual therapy patients
- Co-facilitate FYF group
- Participates in weekly consultation rounds

#### Interdisciplinary Team Diagnostic Evaluations

Variety of Supervisors

**ASD Referral** 

**Developmental History** (ARNP, PhD, MD)

Interdisciplinary Team Evaluation

See the Video Abstract at jdbp.org

**Interdisciplinary Team Evaluation: An Effective Method for the Diagnostic Assessment of Autism Spectrum Disorder** 

Jennifer Gerdts, PhD,\* James Mancini, MS, CCC-SLP,† Emily Fox, BA,† Candace Rhoads, MA,‡ Tracey Ward, MS,† Erin Easley, LICSW,† Raphael A. Bernier, PhD\*

ARNP/Psych

MD/Psych

SLP/Psych

MDPI









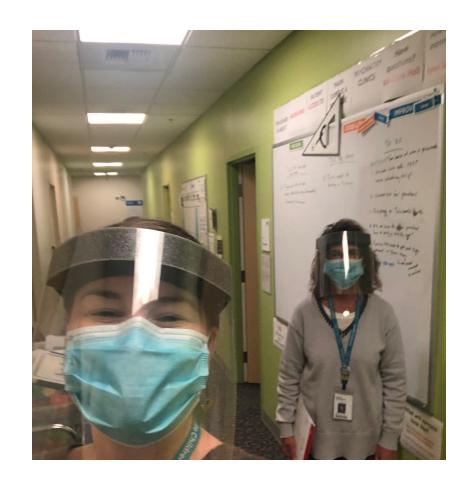
Age-Based Tracks: A Method to Tailor Autism Diagnostic **Evaluation in Large-Scale Autism Specialty Centers** 

Emily Fox 1,2,\*, Jennifer Gerdts 1,3, Kaitlyn Ahlers 400 and Beth Kotchick 2



### Patient and Provider Safety

- We are back in person, yet many families continue to have remote therapy sessions
  - In-Person: PBMU, assessments at UW and SCAC, El program, MAP groups and some individual therapy, Gender clinic evaluations
  - Telehealth: RUBI, some MAP groups and MAP/Gender individual therapy, didactics
- Vaccines requirements and safety training is provided
- Masks are required seasonally and under specific circumstances. At present, we are required to wear face masks during inpatient visits at SCH and some UWMC clinics





## Seattle Children's Hospital and Racism



SUMMARY OF FINDINGS EXCERPTED FROM:

Report to the Board of Trustees of Seattle Children's Hospital

Eric H. Holder, Jr.
Aaron M. Lewis
Lindsay B. Burke
Covington & Burling LLP

Joseph L. Wright, MD, MPH immediate Past Chair, American Academy of Pediatrics Task Force on Addressing Bias and Discrimination Physician Consultative and Education Services, LLC

July 22, 2021

#### COVINGTON

BEIJING BRUSSELS DUBAI FRANKFURT JOHANNESBURG LONDON LOS ANGELES
NEW YORK PALO ALTO SAN FRANCISCO SEQUE SHANGHAE WASHINGTON

Chimney Attic Flashing ructure tic latior Roof utters A year later, Seattle Children's remains troubled by racism issues Barage Since Dr. Ben Danielson resigned last year, some say the hospital is making progress, but others think the leadership has fallen short to rectify its history with racism. eat ibuti

Former medical director sues Seattle Children's hospital alleging racial discrimination

Oct. 18, 2023 at 12:35 pm



#### What does this mean for you as a resident?

- Acknowledge that most of our leadership team is white, most of our supervisors are white
- Acknowledge that our institutions are steeped in structural racism
- How do we respond when concerns are elevated to us?
  - We will believe you, we will listen
  - Resident safety and protection are our top priority
  - Timely response
  - Follow your lead as to response
  - Offer variety of paths to pursue:
    - Consultation about how/if to give feedback to client, family, or supervisor
    - Be flexible/swap out rotations, supervisors, clinics, etc.
    - Support with connecting with mental health supports or outside supports
    - Escalate to appropriate leadership and take official action on your behalf as needed or desired







- ➤ Since our track launch in 2019, we have been intentional about interviewing students with lived and professional expertise in diversity, equity, and inclusion
- ➤ We ask our applicants about their interest, experiences, and engagement in DEI work
  - ➤ We encourage you to ask us questions!
- ➤ We are delighted to have welcomed internship cohorts with DEI expertise
  - ➤ Many of whom are staying on for postdoc
  - Hopefully to become faculty and supervisors in years to come!



Our growing edge is to create and cultivate an environment that supports our interns' growth and wellbeing. This is a work in progress.



#### What next today?

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**BREAK** 

• 11:00 – 12:00

Autism Track Resident Q&A and Virtual Tour

• 12:00 **–** 12:30

**LUNCH** 

• 12:30 – 3:30

Three 30 to 35-minute Interviews

• 1:00 - 3:30

Informal drop in with residents



Michal Cook



Wei Siong Neo



## QUESTIONS

