UNIVERSITY PARTMENT of PSYCHOLOGY



# **Science in Head Start Classrooms:** Investigating Teachers' Attitudes and Beliefs and Classroom Practice Elica B. Sharifnia, Ph.D. Postdoctoral Research Fellow, Marsico Institute for Early Learning at the University of Denver

## **Research Questions**

- What are preschool teachers' attitudes and beliefs towards science for young children?
- 2. How often do preschool teachers report engaging in science instruction in their classroom?
- 3. What is the relationship between teachers' attitudes and beliefs toward science and frequency of science instruction?



## Method

### Sample:

- 30 Lead Teachers from 6 Head Start Centers
- 100% Female; 60% White, 30% Black/AA, 87% Non-Hispanic
- 77% had at least a Bachelor's Degree

### **Measures:**

**Teacher Attitudes and Beliefs** 

- Preschool Teachers' Attitudes and Beliefs Towards Science survey (P-TABS)<sup>1</sup>
- Rate 35 items on a Likert scale from strongly disagree to strongly agree
- 3 scales:
- Teacher Comfort comfort with science in ECE
- Child Benefit perceptions about science being beneficial for young children
- Challenges challenges associated with science teaching in ECE

Frequency of Science Instruction

• "In this classroom, how often do you interact together with children on science activities?"<sup>2</sup>



