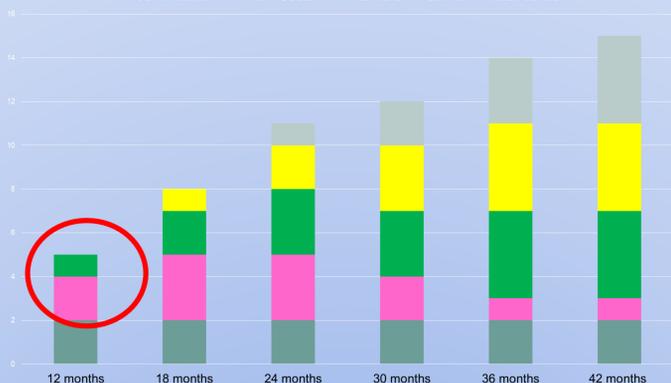


Introduction

Project is aimed to describe the birth and developmental **trajectories of social cognitive abilities** in infants and toddlers.

The birth and development of mentalising ability

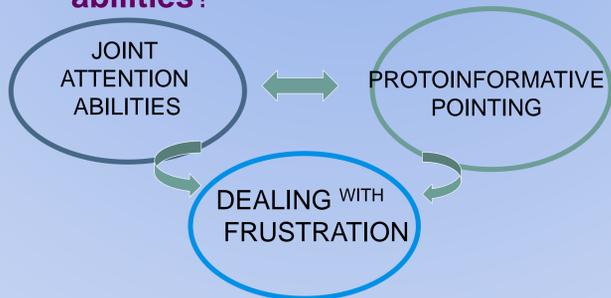
Joint Attention Inform Gesture Intentions others False beliefs



- The first manifestation of these abilities is joint attention (Bakeman and Adamson, 1984, Bruner, 1995, Tomasello, 1995, Carpenter et.al, 1998).
- Then the abilities are expressed in protoinformative pointing (Liszkowski et al., 2008), when a child probably wants to inform an adult
- Additionally in situation when a child has to deal with frustration he/she needs to communicate with caregivers (Stifter and Braungart, 1995).

Research question

1. What are the relations between these 3 abilities?



2. What are joint attention abilities in Polish infants ?

Early Social Communication Scale, **ESCS**, Mundy et al., 2003) was used in Poland for the first time.

Method

In spring 2012 in Child Development Psychology Laboratory of Jagiellonian University we tested **361** twelve months olds infants (M= 52.28 weeks; SD= 1.33 week and used:

- ESCS to measure initiating and responding to joint attention (**IJA & RJA**)

- Protoinformative pointing task called **FOLDER**



- Frustration task called **TOY WITHDRAWING**



Discussion

Our results confirm the previous finding (Mundy et al., 2007). There is :

1. **weak relation between joint attention components** in twelve months olds
2. **Transsituational consistency** of children's communicative behavior. Children with better joint attention abilities are also more prone to use pointing gesture and ask for help when frustrated.
3. **Co-occurrence of protoinformative pointing ability and higher level of joint attention.** That result may indirectly confirm the idea that the mechanism responsible for joint attention is **sharing knowledge.**

Implications and Future Research

We plan 6 series of data collecting (each 6 months) to describe **developmental trajectory of social cognitive abilities : from joint attention abilities in 12 month olds till false belief understanding in 42 months olds.**

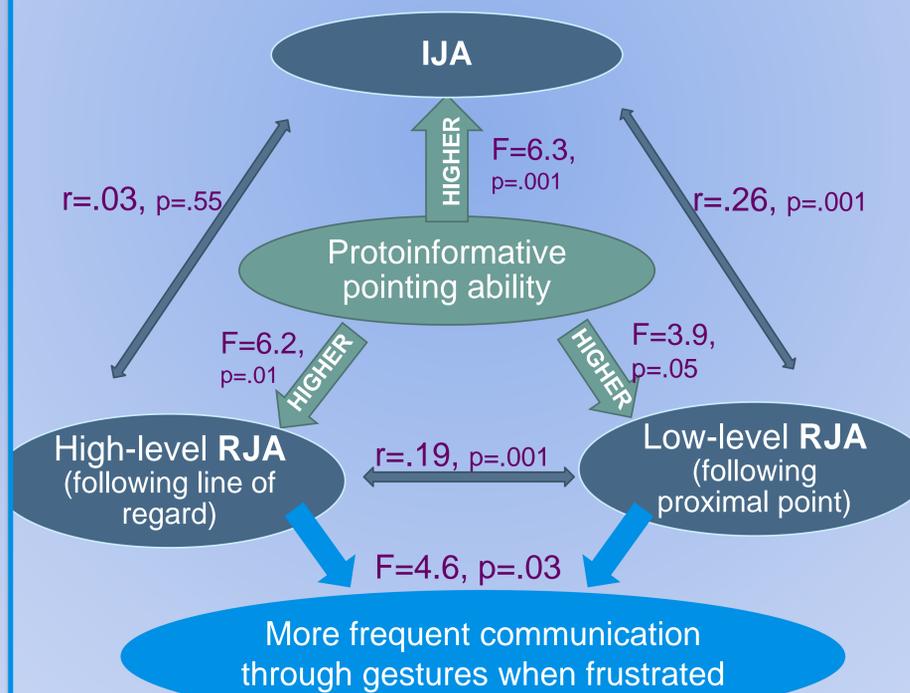
We also want to answer the question – **what are the main factors responsible for these developmental changes:** language, executive function, temperamental predispositions, social environment?

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Findings

1. What are the relations:



2. What are joint attention abilities in Polish infants:

Polish infants scored **LOWER** than American infants (Mundy et al. 2003) in:

- **Initiating joint attention** (p=.039)
- **Responding to joint attention (high-level)** (p<.001)
- **Initiating social interaction** (p<.001)

They scored **HIGHER** than American infants in:
Responding to social interaction (p<.001)

