PROGRAM

Scientific and Practical conference

BIOLOGICAL AND SOCIAL BASIS OF COMMUNICATION

Pavlov Institute of Physiology of Russian Academy of Sciences
21-23 October 2014

St. Petersburg

Russia
This conference is dedicated to the memory of

Ludmila Chistovich
and
Valery Kozhevnikov

renowned speech researchers.

On the 90th anniversary of their births.
The Conference is organized by Pavlov Institute of Physiology of Russian Academy of Sciences (IF RAS) and St. Petersburg Early Intervention Institute (SPb EII) with the support of Department of Physiology and Medicine of Russian Academy of Sciences and Federal agency of research organizations.

**ORGANIZING COMMITTEE:**

Elena Ogorodnikova *(co-chairperson)*
Pavlov Institute of Physiology of Russian Academy of Sciences (RAS), Head of Psychophysiology of Speech lab., Member of Executive Committee of the Sechenov Physiological society (St. Petersburg, Russian Federation)

Alexander Chujkin *(co-chairperson)*
Scientific secretary of the Pavlov Institute of Physiology RAS (St. Petersburg, Russian Federation)

Anna Balyakova *(secretary)*
Researcher, Speech Psychophysiology lab., Pavlov Institute of Physiology RAS (St. Petersburg, Russian Federation)

**PROGRAM COMMITTEE:**

Elena Kozhevnikova *(co-chairperson)*
St. Petersburg Early Intervention Institute, coordinator of “Parents and Professionals for Social Justice: Nordic cross-border cooperation in early intervention” and “The U.S./Russian Partnership: Supporting Families with Deaf and Hard of Hearing Children” projects, member of the International Society on Early Intervention Coordinating Committee, expert at UNICEF (St. Petersburg, Russian Federation)

Stephen von Tetzchner *(co-chairperson)*
Professor, University of Oslo (Norway)

**Coordinating Committee Members:**

Karl-Eric Spens
Professor, Royal Institute of Technology (KTH) (Stockholm, Sweden)

Janet DesGeorges
«Hands & Voices», executive director (Boulder, CO, USA)

Elena Klochko
Chair of the «Problems of children and adults with disabilities» Section in the Council on the Guardianship in the social sphere of the Government of the Russian Federation (Moscow, Russian Federation)

Tomas Heldmark
Scientific journalist (Stockholm, Sweden)

Juri Kuznecov
Expert in life normalization of people with disabilities, journalist (St. Petersburg, Russian Federation)

Valentina Lublinskaya
Senior researcher, Speech Psychophysiology lab., Pavlov Institute of Physiology RAS; Head of Seminar under section «Physiology of Speech» at the Sechenov Physiological society (St. Petersburg, Russian Federation)

Natalia Slepokurova
Docent, Faculty of Philology, St. Petersburg State University (St. Petersburg, Russian Federation)

Larisa Samarina
Director, St. Petersburg Early Intervention Institute (St. Petersburg, Russian Federation)

Inna Koroleva
Professor, Herzen University, ENT & Speech Institute

Elena Lyakso
Professor, Head of the Child Speech Research Group, Department of Higher nervous activity and Psychophysiology, St. Petersburg State University; Head of Seminar «Acoustic of child speech» at the Sechenov Physiological society (St. Petersburg, Russian Federation)

Alla Mallabiu
Parent club for families with hearing impaired children (St. Petersburg, Russian Federation)
Tuesday – October 21

Conference Hall at the Pavlov Institute of Physiology RAS
(Makarova Embankment 6, entrance from the corner – view from the side of the Birzhevoy bridge)

10.15 - 10.45  Registration.

10.45 – 11.00  **Conference opening.** The greetings of the Program and Organizing Committees, Pavlov Institute administration.

11.00 – 12.45  **Memorial session:**
- **Lublinskaya V.V.** The importance of Ludmila Chistovich and Valery Kozhevnikov works for the development of speech research
- **Stolyarova E.I.** Modeling of mechanisms of speech signal auditory processing in laboratories of physiology and biophysics of speech
- **Ogorodnikova E.A., Balyakova A.A., Pak S.P., Stolyarova E.I., Ohareva N.G., Sitdikov V.M.** The “auditory segmentation of speech signals” model applied to contemporary experimental research
- **Koroleva I.V., Ogorodnikova E.A., Lublinskaya V.V.** Experience of cooperation in rehabilitation of patients with cochlear implants
- **Boboshko M.Yu., Zhilinskaya E.V.** Using of different methods of speech audiometry in clinical practice

**Coffee Break**

13.00 – 14.45  **Memorial session (continuation):**
- **Ventsov A.V.** From psychoacoustics to psycholinguistics
- **Slepokurova N.A.** Perception of speech and linguistic theory
- **Riehakaynen E.I.** Perception of spontaneous speech: from theory to practice
- **Kozhevnikova E.V., Shelish P.B.** Ludmila Chistovich and start of Early Intervention services in Russia.

**Lunch**

15.45 – 18.00  **Scientific and Practical session:**
- **Janet DesGeorges** Presentation of the paper «Best Practices in Family-Centered Early Intervention for Children Who Are Deaf or Hard of Hearing: An International Consensus Statement»

**Discussion** with the participation of parents of deaf and hard of hearing children (Chairs: Janet DesGeorges and Alla Mallabiu).
Wednesday - October, 22

Conference Hall at the Pavlov Institute of Physiology RAS

10.00 - 10.30 Registration. Placing of posters.

**Thematic and Poster sessions:**

10.30 – 12.00  
**Section:** «Studies of child speech» (Chair: Lyakso E.E.)

Stolyarova E.I, Lyakso E.E.  
Acoustic characteristics of the infant crying

Frolova O.V.  
Features of the early emotional development of children in family and in orphanage

Lyakso E.E., Stolyarova E.I.  
Effect of developmental risk and social deprivation on forming of the speech and communication skills in children

Grigoriev A.S.  
Acoustic characteristics of speech in children aged 6-8 years

Presentation and discussion of sectional posters: № 9, 14, 21, 23  (in accordance with the list)

12.15 – 13.45  
**Plenary lectures:**

Vartanyan I.A.  
Hearing and Speech Brain (from gesture to word)

Stephen von Tetzchner  
Understanding reading disorders in children with motor impairment

Cheryl Rene Johnson  
School-based audiology services: a model to support students with hearing loss in their schools

14.45 – 16.30  
**Section:** «Biological basis and practical development of verbal and nonverbal communication in children with different abilities» (Chair: Ogorodnikova E.A.)

Shishelova A.Yu.  
Importance of species-specific communication in early postnatal ontogenesis for development of behavior

Golubeva I.Yu., Nechaev K.A., Kuznetsova T.G., Gorbacheva M.V.  
Behavioral reactions and object’s symbolization in process of the sample choice (phylogenetic and ontogenetic aspects)

Vartanyan I.A, Lange N.K.  
Hearing-Speech ratio in children of primary school age

Kornev A.N.  
Neurocognitive mechanisms of articulation disorders in children

Tsetlin S.N.  
Features of language development in a child with the problem of pronunciation

Tsirulnikov E.M.  
Biomedical and social problems of rehabilitation of hearing

Garbaruk E.S.  
Hearing screening, diagnostic and the beginning of early intervention program for children with hearing loss

16.40 – 18.30  
**Section meeting (continuation):**

Mikshina E.P.  
Significance of studies conducted under the guidance of L. Chistovich and V. Kozhevnikov to the theory and practice of teaching hearing impaired children oral speech

Johansen I.V.  
Correctional practice of speech development in children with hearing loss

Komarova A.A., Davidenko T.P.  
The role of sign language in the early stages of development of child with hearing impairment

Antonova Zh.V.  
Development of communication and speech in young children with disorders of emotion and volition

Ryazanova I.L.  
Using of alternative communication in school for education of children with multiple disabilities

Resources of non-directional impact on auditory perception

Presentation and discussion of sectional posters: №1-8,10-13,15-20,22,24-25  (in accordance with the list)
Thursday - October, 23
Conference Hall at the Pavlov Institute of Physiology RAS

10.30 – 13.00  Plenary session:
«Social basis for the development of communication» (Chair: Kozhevnikova E.V.)

Kozhevnikova E.V.  The role of family centered early intervention practices and balance of «child-family-professionals-society» interaction
Muhammedrahimov R.D.  Effect of social environment changes on the development of children in orphanages
Balobanova V.P., Kibalova Y.S.  Development of communication in children with hearing loss as the fundamental principle of early intervention
Ernst Ottem  Linguistic curiosity, engagement and physical activity: the development of a questionnaire for young children
Ernst Ottem  Teaching vocabulary to language impaired children
Davina Talen  The method «Inviting the child to dance» (a practitioner’s point of view)
Ewa Martony  The Importance of Parents in Habilitation
Ryskina V.L.  Alternative communication and speech: is it a choice?

Coffee Break

13.15 – 14.15  Plenary lectures:
Stephen von Tetzchner  Development of augmentative and alternative communication
Koroleva I.V.  Macro- and micro-structural components of the organization of hearing impaired children habilitation

Lunch

15.15 – 16.30  Plenary session (continuation):
Samariana L.V.  Realization of nature-environmental approach in early intervention programs for the development of young children communication
Grigoryan G.H.  Features of the interaction of mothers and young children as a factor in the development of communication skills (Assessing the interaction of mothers with children at risk using PICCOLO)
Nikolaeva E.I.  Psychophysiological analysis of abandonment of children in foster families
Titenko M.N.  Features of interpersonal relationships in families with hearing impaired children
Claudine Storbeck  Developing countries experiences in family centered early intervention services for deaf and hard of hearing children
Marietta Molina- Lingvall  Experiences in developing community based programs for children and families and in social work education
Mary Shtok  The Micro-Economics of Happiness: Designing a Product with a Purpose

Coffee Break

16.40 – 18.00  Plenary session (continuation):
General discussion:  Problems of practical application of the «Principles for family-centered early intervention with children who are deaf and hard of hearing and their families» (FCEI) recommended by the group of international experts

Roundtable meeting:  Biological and social problems of communication from different viewpoints (Chairs: Elena Klochko, Juri Kuznecov, Tomas Heldmark)
  • personal experience of coping
  • relations with the community, experts, officials
  • the effectiveness of social programs

Roundtable meeting:  Purposes and possibilities of interdisciplinary and international cooperation

18.00 – 18.15  Conference closing
## List of Posters

**Poster sessions:** October 21-22

*(foyer in front of Conference Hall in the Pavlov Institute of Physiology RAS)*

| 1 | Balabanova V.P., Kibalova Y.S. | Early Intervention Institute, St.Petersburg | Parents’ Club as a part of the early intervention program in families with deaf and hard of hearing children |
| 2 | Balyakova A.A. | IF RAS, St.Petersburg | Peculiarities of speech in children after cochlear implantation |
| 3 | Barmotina V.K. | Center of psychological, medical and social support, St. Petersburg | Speech disorders in children with asthenic syndrome |
| 5 | Buhanovskaya M.K. | Early Intervention Institute, St.Petersburg | The formation of communicative skills in young children with developmental disorders during early intervention |
| 6 | Vasilieva M.Yu., Bannyh O.N. | St. Petersburg State University | Features of auditory discrimination in children with different gestational age |
| 7 | Granstrem M.P. | IF RAS, St.Petersburg | Metrical patterns as the basis of speech rhythm |
| 8 | Granstrem M.P. | IF RAS, St.Petersburg | The formation of rhythmic speech stereotypes during the preverbal period of development |
| 9 | Dmitrieva E.B., Lyakso E.E. | St. Petersburg State University | Reflection of emotional states in vocalization characteristics of 12-month-old infants |
| 10 | Eliseeva M.B., Tseitlin S.N., Ryskina V.L., Vershinina E.A. | Herzen University, ILI RAS, «Family» Center, IF RAS, St.Petersburg | Normative parameters of speech development in children from 8 to 36 months |
| 11 | Kornev A.N., Lyublinskaya V.V., Stolyarova E.I. | SPb SPMU, IF RAS, St.Petersburg | Features of selective auditory attention in preschool children |
| 12 | Koroleva I.V., Ogorodnikova E.A., Ross Ja. | IF RAS, Institute ENT&Speech, Herzen University, St.Petersburg Estonian Academy of Music & Theatre, Tallinn | Development of musical perception in patients with cochlear implants |
| 13 | Koroleva I.V, Ogorodnikova E.A., Levin S.V., Pak S.P. | IF RAS, Institute ENT&Speech, Herzen University, St.Petersburg | Training perception of spatial signals and speech intonation in patients with cochlear implants |
| 14 | Lyakso E.E., Grigoriev A.S., Kurazova A.V., Ogorodnikova E.A. | St. Petersburg State University, IF RAS | «INFANT.MAVS» - multimedia model for infants cognitive and emotional development study |
| 15 | Mihailova E.V. | PEI № 26 Vsevolozhsk district, Leningrad region | Features of speech development in preschool children with retardation of speech becoming |
### List of Posters

*Poster sessions: October 21-22*

*(foyer in front of Conference Hall in the Pavlov Institute of Physiology RAS)*

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