

P R O G R A M

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 (<i>co-chairperson</i>)	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 (<i>co-chairperson</i>)	Scientific secretary of the Pavlov Institute of Physiology RAS (St. Petersburg, Russian Federation)
Anna Balyakova (<i>secretary</i>)	Researcher, Speech Psychophysiology lab., Pavlov Institute of Physiology RAS (St. Petersburg, Russian Federation)
	<i>Organizing Committee Members:</i>
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 Professor, Head of the Child Speech Research Group, Department of Higher nervous activity and Psychophysiology, St. Petersburg State University;
Elena Lyakso	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)

PROGRAM COMMITTEE:

Elena Kozhevnikova (<i>co-chairperson</i>)	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 (<i>co-chairperson</i>)	Professor, University of Oslo (Norway)
	<i>Coordinating Committee Members:</i>
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)

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

Karl-Eric Spens History of the Russian-Swedish cooperation. Prevalence of some hearing problems in an ordinary Georgian school.

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)

Coffee Break

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

Lunch

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
Tseitlin 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

Coffee Break

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
Ogorodnikova E.A., Radionova E.A., Pak S.P., Stolyarova E.I. 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
- Muhamedrahimov 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):*

- Samarina 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	Balobanova 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
4	Belova N.Y., Ermakova A.G., Ogorodnikova E.A., Koroleva I.V., Pak S.P., Balyakova A.A., Ohareva N.G.	School №10, IF RAS, Institute of ENT & Speech, St. Petersburg	Experience of auditory perception development in school-children with hearing and speech impairments by using the program «Learn to listen»
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
16	Ogorodnikova E.A., Pak S.P., Stolyarova E.I., Bogomolova G.M., Korolev Yu.N., Golubev V.N.	IF RAS, Kirov Academy of military medicine, St.Petersburg	Effect of hypoxia on human auditory perception and memory

List of Posters

Poster sessions: October 21-22

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

17	Ogorodnikova E.A., Pak S.P., Stolyarova E.I., Balyakova A.A., Kuzmina T.V., Belova N.Yu., Ermakova A.G., Oktyabrsky V.P.	IF RAS, Herzen University, Polytechnic University, School №10, St. Petersburg	Assistance software units for subjects with impaired hearing and non-native speakers of Russian (inofons) education
18	Piskun O.Yu.	Institute of Childhood, NGPU, Novosibirsk	The role of communication in development of emotional and volitional abilities of deaf children
19	Prohorova O.P.	«LOGOTON», Moscow	Auditory and speech (re)habilitation of children with hearing impairment
20	Pyalova M.P., Rudko N.V., Balobanova V.P.	Early Intervention Institute, St.Petersburg	Yesterday and Today for Families with Deaf and Hard of Hearing Children
21	Sokolova V.D., Lyakso E.E.	St. Petersburg State University	Elements of non-verbal behavior of 6-month-old infants
22	Chugunova E.I.	University of Salzburg, Austria	Second signal system (in memory of 165 th anniversary of Ivan Pavlov birthday and 100 th anniversary of awarding him the Nobel Prize)
23	Yarotskaya K.A., Kurazhova A.V., Lyakso E.E.	St. Petersburg State University	Speech characteristics of monozygotic, dizygotic and singly born children
24	Zhilinskene E.M., Kasavina M.O., Makaveeva N.G.	Boarding school N1, St.Petersburg	Using special software tools to development of auditory perception in hard of hearing children
25	Galkina E.V., Urzhumova N.N.	Mnukhin Center of rehabilitation «Child psychiatry», St.Petersburg	The case marking in Russian children speech: normal monolingual development, SLI, the language contact situation
26	Nikolaeva E.A.	Center of psychological, medical and social support, St. Petersburg	The content of the work of teachers - speech therapists at the PMSS Center
27	Demidova V.A.	Center of psychological, medical and social support, St. Petersburg	Prevention and elimination of vocal disturbances under prolonged mutation of voice