

## CURRICULUM VITAE

**Philip R. Zelazo, Ph.D.**

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DATE & PLACE OF BIRTH: October 3, 1940; Ludlow, Massachusetts, U.S.A.

CITIZENSHIP: United States

LANDED IMMIGRANT: Canada

MASSACHUSETTS STATE LICENSE IN PSYCHOLOGY NO.: 1303; LICD Psychologist Provider

QUEBEC LICENSE IN PSYCHOLOGY NO.: O3736-84

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### EDUCATION:

B.A.	Psychology, 1962, American International College
M.S.	Experimental Psychology, North Carolina State University
Ph.D.	Developmental and Social Psychology, October 1967, University of Waterloo, Waterloo, Ontario, Canada
Post-Doctoral Fellow	Developmental Psychology, 1969-1970, Harvard University
D.Sc. (Hon)	American International College, 1992

### GENERAL AREAS OF INTEREST:

Basic and Applied Developmental and Pediatric Psychology

### RESEARCH AREAS:

Basic and applied questions concerning perceptual-cognitive, social and motor development in infancy. The creation of information processing procedures to assess intellectual development among infants and toddlers; the creation of treatment procedures to overcome expressive delays in development particularly with Pervasive Developmental Disorder and Autism.

### TEACHING AREAS:

1. Infant Behavior;
2. Developmental Psychology;
3. Early Cognitive Development;
4. Clinical Assessment and Treatment of Infants and Toddlers.

### CLINICAL AREAS:

1. Alternative cognitive assessment of infant-toddler development.
2. Cognitive-behavioral treatment to overcome developmental delays.

## **DISTINCTIONS & AWARDS:**

*Oral History Project*, Society for Research in Child Development:

Featuring contributions to Early Motor Development Research:

- Interview by Thomas Dalton, Boston (Mass., USA), March 30, 2007, Annual SRCD Meeting.

Featuring contributions to Neonatal Auditory Information Processing:

- Interview by Darwin Muir, Queen's University, Kingston, (ON, Canada), March 5, 2007.

1992 Elected Fellow: American Association for the Advancement of Science  
1990-1991 Montreal Children's Hospital Managerial Excellence Award  
1988-1989 Montreal Children's Hospital Managerial Excellence Award  
1984 Elected Fellow: Academy of Behavioral Medicine Research (USA)  
1984 Elected: Who's Who in Frontier Science and Technology  
1969-1971 Traveling Fellowship; Ontario Mental Health Foundation; Amount: \$17,000.  
1966-1967 Ontario Predoctoral Fellowship; Ontario Mental Health Foundation; Amount: \$3,600

## **CLINICAL, TEACHING, AND RESEARCH EXPERIENCE:**

May/2002-Present Montreal Autism Centre, Director.  
Aug/2002-Present McGill University, Adjunct Professor of Psychology. Teaching: Infant Competence and training Ph.D. students.  
1984-Aug/2002 McGill University, Professor of Psychology. Teaching: Infant Competence and training Ph.D. students.  
1984-May/2002 Montreal Children's Hospital, Head, Department of Psychology.  
Oct/1990-May/2002 McGill University, Associate Professor of Pediatrics.  
Jun/2001-Present Concordia University, Member, Center for Research in Human Development, Atypical processes of development and developmental psychopathology Axis, Department of Psychology.  
1991-Present Concordia University, Department of Psychology, Clinical Consultant.  
Oct/1990-May/1991 Learning Center of Quebec, Acting Director of Professional Services.  
1982-1984 New England Medical Center Hospital and Tufts University School of Medicine, Department of Pediatrics, Director and Associate Professor: Center for Infant-Toddler Development  
1974-1982 Tufts-New England Medical Center and Tufts University School of Medicine, Department of Pediatrics, Co-Director and Associate Professor: Center for Behavioral Pediatrics and Infant Development (infant-toddler diagnostic and research unit).  
1970-1974 Harvard University, Research Associate & Lecturer Teaching: Graduate Infancy Seminar (Competence in Infancy), Graduate Seminar and Junior Tutorial (Social Development).  
1969-1970 Harvard University: Research Fellow in Developmental Psychology, Professor Jerome Kagan.  
1970-1971 Clark University: Part-time Lecturer: Child Development, Graduate School of Education.

1967-1971 Queen's University: Assistant Professor Teaching: Introductory Psychology and Experimental Child Psychology: Theory and Research. On leave of absence: 1969-1971.

Summer 1965 American International College: Instructor. Teaching: Introductory Statistics and Introductory Psychology.

1963-1965 North Carolina State University: Research: Verbal learning, perceptual learning in children, perception of distance and size in adults. Head Resident Counselor.

1962-1963 Turner Falls Junior High School, Montague, Mass. Mathematics Instructor.

**COMMITTEES (MCH, MUHC, McGill University):**

- MUHC Strategic Planning Committee for Mental Health (McGill Department of Psychology Representative).
- MCH Search Committees for Professional Head of the Developmental-Behavioral Pediatric Service.

**CONSULTING POSITIONS:**

Feb/2001-Present Bancroft NeuroHealth Professional Advisory Board. The Institute for Professional Development and Research.

Oct 15-18/2003 Review, visit, & report on the Queen's University Graduate Department of Psychology. Consultant for the Ontario Council on Graduate Studies.

Mar/1998-Feb/2001 Professional Advisory Board, Bancroft Health, Haddonfield, N.J.

1997 Special Consultant for Canadian Television Program: Real Families, produced by Michael J. Weiss, Ph.D.

1992 (May) Consultant, Department of Neonatology, Children's Hospital, Wash., D.C. "Prevention of early conduct disorders in minority boys".

1991-Present Clinical Consultant, Department of Psychology, Concordia University.

1988-1991 Consultant, NICHD SBIR grant. Kinematic analysis of pediatric movement disorders. R. Maulucci, Ph.D. and E. Leonard, Ph.D., Barrow Neurological Institute, Phoenix, Ariz.

1989-1991 Consultant to March of Dimes\Birth Defects Foundation Grant. Kinematics of reaching in normal and cerebral palsied children. E. Leonard, Ph.D. and R. Maulucci, Ph.D., Barrow Neurological Institute, Phoenix, Arizona.

1986 (Jan) Member site visit team, Maternal and Child Health Committee, National Institute of Child Health and Human Development.

1985 (Dec) Reviewer and panel member, NICHD "Development of Newborn Procedures to Predict Later Mental Ability".

1984 (Aug) National Institute of Child Health and Human Development Panel on "Identification of Infants at Greatest Risk for Mental Retardation and Developmental Disabilities", Section on Mental Retardation, Bethesda, Maryland.

1981-1984 National Science Foundation, Neural and Behavioral Sciences

1979-1980 Social and Developmental Psychology Panel Member

1981-1985 Consultant and Member of the Professional Advisory Committee, Child Health Services, Developmental Disabilities Grant, Manchester, N.H.

- 1980 American Speech-Language-Hearing Association. Member of a panel developing protocols for screening and assessment of speech and language in pre-school children.
- 1979-1980 BEH sponsored Institute for Developmental Disabilities, University of North Carolina.
- 1976-1981 Reviewer and Panel Member, Field Initiated Research Grants and BEH Institute Panel, Bureau of Education for the Handicapped, Office of Education, Washington, D.C.
- 1978-1980 ABT Associates; 55 Wheeler Street, Cambridge, MA.
- 1970-1976 Parent-Child Development Center; 410 South 13 Street, Birmingham, Alabama
- 1972-1974 Referee: Research grants and awards, Canada Council, Ottawa, Ontario
- 1970-1974 Referee: Research grants and awards, Ontario Mental Health Foundation, Toronto, Ontario
- 1970-1973 Instituto de Nutricion de Centro America y Panama, Growth and Development Unit, Officiana Sanitaria Panamericana, Carretera Rosevelt Zona II, Guatemala City, Guatemala, Central America

## **PROFESSIONAL ASSOCIATIONS:**

### **Program Reviewer:**

- Society for Research in Child Development Biennial Meeting, April 2001.
- Motor Development Section, International Conference on Infant Studies, June 1994, Paris, France.

### **Program Organizer:**

- Children's Section, International Conference on Rehabilitation, Budapest, Hungary, September 1994.

### **Fellow:**

- American Association for the Advancement of Science (1992).
- American Psychological Association,
  - Division 1 (The Society for General Psychology) (2002)
  - Division 7 (Developmental Psychology) (1987)
  - Division 37 (Child, Youth and Family Services) (1987)
- Academy of Behavioral Medicine Research (1984).
- American Psychological Society (1989).
- American Association of Applied and Preventive Psychology.

### **Member:**

- Society for Research in Child Development
- Canadian Psychological Association
- International Society for Infant Studies

### **Program Chair:**

- Seventh Biennial International Conference on Infant Studies, Montreal, 1990.

### **Ex-Officio Executive Board Member:**

- International Society for Infant Studies: 1988-1991.

**Executive Board Member-at-Large:**

- ICIS, 1991-1993.

**Executive Committee Member-at Large:**

- American Psychological Association Division 7, Developmental Psychology (1993-1996).

**Div. 7 Representative to APA Science Directorate.**

**Editorial Board Member:**

- 1998-Present: Child Development
- 1986-2001: Developmental Review
- 1983-1985: Journal of Applied Developmental Psychology
- 1980-1982: Infant Behavior and Development

**Editorial Reviewer (Invited):**

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| ▪ Science                  | ▪ Infant Behavior and Development      |
| ▪ Developmental Psychology | ▪ Journal of Experimental Psychology   |
| ▪ Psychological Review     | ▪ Developmental Psychobiology          |
| ▪ Child Development        | ▪ Journal of Cognition and Development |
| ▪ Psychological Bulletin   | ▪ Merrill-Palmer Quarterly Pediatrics  |

**GRANTS**

Submitted November 15, 2003

Title: Project Ice Storm: Effects of prenatal stress on the incidence of Autism.

Amount: \$49, 920.

Agency: Canadian Psychiatric Research Foundation.

Principal Investigator: S. King and Co-Investigators: D. Kinney, P.R. Zelazo and D. Laplante

*GRANTS OBTAINED:*

October 1, 2005 – September 30, 2010 (5 years)

Title: Food for Thought: Care-giving determinants of infant memory.

Amount: \$95,648 (per year) for 5 years

Agency: Canadian Institutes of Health Research (CIHR)

Principal Investigator: R. Barr and Co-Investigators: S. Young, P.R. Zelazo, and Brant, R.F.

April 1, 2004 – March 31, 2010 (6 years)

Title: Centre for Research in Human Development (Regroupement Stratégique).

Amount: \$276,461

Agency: Fond Québécois de la Recherche sur la Société et la Culture (FQRSC)

Principal Investigator: L. Serbin and Co-Investigators: P.R. Zelazo, et al.

April 1, 2001 - March 31, 2006 (5 years)

Title: Feeding enhancement of memory in normal human newborns.

Amount: \$79, 109 (per year) for 5 years.

Agency: Canadian Institutes for Health Research.

Principal Investigator: R. Barr and Co-Investigators: S. Young and P.R. Zelazo

May 22, 2001 - May 21, 2002

Title: Assessment of infants and toddlers with delayed development.

Amount: \$5,000.

Agency: May Appeal: Montreal Children's Hospital Foundation.

Principal Investigators: D. Stack and P.R. Zelazo.

May 22, 2001 – May 21, 2002

Title: Treatment of expressive language delay in autistic toddlers.

Amount: \$35,000.

Agency: May Appeal: Montreal Children's Hospital Foundation.

Principal Investigators: P.R. Zelazo, and J. Burack.

June and July, 2001

Title: Developmental-behavioral therapy for young children with autism.

Amount: \$869.75

Agency: Summer Career Placements: Human Resources Development Canada

Principal Investigator: P.R. Zelazo

Recipient: Nicholas Hall.

April 5, 2000 - March, 2001.

Title: Treatment of expressive language delay in autistic toddlers.

Amount: \$30,000.

Agency: May Appeal: Montreal Children's Hospital Foundation.

Principal Investigators: P.R. Zelazo and J. Burack

April 5, 2000 - March, 2001.

Title: Assessment of infants and toddlers with delayed development.

Amount: \$6,000.

Agency: May Appeal: Montreal Children's Hospital Foundation.

Principal Investigators: D. Stack and P.R. Zelazo.

May 1999-August 1999

Title: Assessment and treatment of autism in toddlers.

Amount: \$1,190.00

Agency: Summer Career Placements: Human Resources Development Canada

Principal Investigator: P.R. Zelazo.

May 1998-August 1998

Title: Fetal cocaine exposure and information processing,

Amount: \$1,190.00

Agency: Summer Career Placements - Human Resources Development Canada

Principal Investigator: P.R. Zelazo.

May 1997 - April 1998

Title: Treatment of toddlers with PDD and autism.

Agency: Unique Lives & Experiences Fund, Montreal Children's Hospital Foundation

Amount: \$34,000

Principal Investigator: P.R. Zelazo.

May 1997-August 1997

Title: Fetal cocaine exposure and neonatal information processing.

Amount: \$1, 190.00

Agency: Summer Career Placements: Human Resources Development Canada

Principal Investigator: P.R. Zelazo

October 1996 - September 1999.

Title: Regulation of behavior in infants: Nutrients, pain response, distress and memory.

Amount: \$129,194.00

Agency: Medical Research Council of Canada

Principal Investigators: R. Barr, S. Young and P. Zelazo

January 1996 - January 1998

Title: Treatment and assessment of developmentally delayed toddlers.

Amount: \$49,500

Agency: Gustav Levinschi Foundation

Principal Investigator: P.R. Zelazo

July 1, 1995 - June 30, 1996

Title: Facteurs de risque chez le nourrisson et le jeune enfant.

Amount: \$20,000

Agency: Fonds de la Recherche en Santé du Québec, Réseau Santé Mentale

Principal Investigators: P.R. Zelazo and P. Robaey

May, 1995 - April, 1999

Title: Neonatal information processing and electrical brain activity.

Amount: \$42,000 (\$10,500 for 4 years, 1995-1999)

Agency: Natural Sciences and Engineering Research Council of Canada

Principal Investigators: P. R. Zelazo and P. Robaey

July 1, 1994 - June 30, 1995

Title: Facteurs de risque chez le nourrisson et le jeune enfant.

Amount: \$10,000 (Dossier: 941383.19: Maziade)

Agency: Fonds de la Recherche en Santé du Québec

Réseau Santé Mentale (\$178,000)

Axe Mentale Infantile et Juvenile

Principal Investigators: P. Robaey and P. R. Zelazo

May 1993 - 1995

Title: Newborn screening of Type 1 Diabetes.

Amount: \$60,000

Agency: Fonds de la Recherche en Santé du Québec

Principal Investigators: A. Schiffrin, E. Colle, M. Sufrategui, P.R. Zelazo, A. Ciampi

September 1992 - January 1995

Title: Developmentally delayed children's behavioral and adrenocortical responses to instructional demands.

Amount: \$17,500

Agency: Montreal Children's Hospital Foundation (Private Donor)

Principal Investigator: P.R. Zelazo

September 24, 1992 - September 23, 1994

Title: Central information processing and behavioral treatment procedures for developmentally delayed toddlers.

Amount: \$70,000

Agency: Montreal Children's Hospital Foundation (Private Donor)

Principal Investigator: P. R. Zelazo

May 16, 1994 - August 3, 1994

Title: Fetal cocaine exposure and infant information processing.

Amount: \$3,700

Agency: Employment and Immigration Canada: Challenge Summer Employment Program

Principal Investigator: P.R. Zelazo

November 1992 - May 1994

Amount: \$3,000

Agency: Social Science Grant, McGill University

Principal Investigator: P.R. Zelazo

September 1992 - August 1994

Title: Fetal cocaine exposure and neonatal information processing.

Amount: Year 1, \$3,611; Year 2, \$3,600.

Agency: Stairs Fund, McGill University

Principal Investigator: P. R. Zelazo

May 17-July 23, 1993

Title: Developmentally delayed children's behavioral and adrenocortical responses to instructional demands.

Amount: \$3,600 (approx.)

Agency: Employment and Immigration Canada; Challenge Summer Employment Program (SEED)



Principal Investigator: P.R. Zelazo

May 15- August 31, 1992.

Title: Fetal cocaine exposure and infant information processing.

Amount: \$3, 614 (approx.)

Agency: Employment and Immigration Canada; Challenge Summer Employment Program (SEED)

Principal Investigator: P.R. Zelazo

May 1, 1989 - April 30, 1991.

Title: Assessment of infant-toddler information processing II.

Amount: \$82,000.

Agency: Fonds de la Recherche en Santé du Québec.

Principal Investigator: P. R. Zelazo

May 6, 1991 - August 31, 1991.

Title: Fetal cocaine exposure and infant information processing

Amount: \$3, 406.

Agency: Employment and Immigration Canada; Challenge Summer Employment Program (SEED)

Principal Investigator: P.R. Zelazo

January 1989 - December 1991 (with no-cost extension through 1992)

Title: Psychological, educational and medical assessment of very low birthweight children.

Amount: Year 1: \$49,828; Year 2: \$48,272.

Agency: Sir Mortimer B. Davis Jewish General Hospital Research Institute.

Principal Investigators: Phyllis Zelkowitz, Ph.D. (Michael Weiss, Ph.D.).

Co-P.I's: P.R. Zelazo, Ph.D. and Apostolos Papageorgiou, M.D.

May 1, 1991 - October 31, 1991.

Title: Assessment of infant-toddler information processing.

Amount: \$18,000.

Agency: Montreal Children's Hospital/McGill University Research Institute.

Principal Investigator: P.R. Zelazo

April 1, 1988 - March 31, 1989.

Title: Assessment of infant-toddler information processing II.

Amount: \$25,000 (Can.).

Agency: Montreal Children's Hospital/McGill University Research Institute.

Principal Investigator: P.R. Zelazo

September 30, 1984-August 31, 1987.

Title: Assessment of infant-toddler information processing I.

Amount: \$240, 689 (U.S.) (50% salary support for 3 years).

Agency: National Institute of Child Health and Human Development

Principal Investigator: P.R. Zelazo

July 1, 1984- June 30, 1985.

Title: Assessment of infant-toddler information processing.

Amount: \$35, 000 (Cdn.)

Agency: McGill University/Montreal Children's Hospital Research Institute

Principal Investigator: P.R. Zelazo

January, 1983 - July, 1983

Title: Research and writing on cognitive assessment and education of developmentally delayed infants.

Amount: \$46,000 (U.S.)(100% salary support for 6 mos.)

Agency: Carnegie Corporation of New York

January, 1982 - December, 1982

Title: Research and writing on cognitive assessment and education of developmentally delayed infants.

Amount: \$85, 400 (U.S.) (100% salary support for one year).

Agency: Carnegie Corporation of New York

Principal Investigator: P.R. Zelazo

December, 1981 - December, 1983.

Title: Undergraduate research and clinical experience in applied developmental psychology.

Amount: \$7,524 (U.S.)

Agency: Innovative Educational Funds, Tufts University

Principal Investigator: P.R. Zelazo

August 11, 1980 - July 31, 1981.

Title: A proposal for program support: Center for Behavioral Pediatrics and Infant Development.

Amount: \$10, 000 (U.S.)

Agency: Biomedical Research Support Grant Program, Tufts University.

Principal Investigator: P.R. Zelazo, Ph.D. Co-Principal Investigator: R.B. Kearsley, M.D., Ph.D.

February 1, 1980 - January 31, 1982

Title: The development of visual-auditory procedures and the systematic evaluation of newborns who have experienced fetal distress during labor.

Amount: \$26, 000 (U.S.)

Agency: The National Foundation - March of Dimes

Principal Investigator: Philip R. Zelazo, Ph.D.

February 1, 1978 - January 31, 1980

Title: The development of visual-auditory procedures and the systematic evaluation of newborns who have experienced fetal distress during labor.

Amount: \$39, 000.

Agency: The National Foundation - March of Dimes

Principal Investigator: P.R. Zelazo, Ph.D.;Co-Principal Investigators: R. B. Kearsley, M.D., Ph.D.

February 1, 1980 - January 31, 1982)

W. Singer, M.D.

February 1, 1978 - January 31, 1980)

July 1, 1976 - June 30, 1980.

Title: Cognitive assessment and intervention in developmentally delayed infants

Amount: \$682, 160 (U.S.)(100% salary support for 4 years)

Agency: Bureau of Education for the Handicapped, Office of Education

Principal Investigator: P.R. Zelazo; Co-Principal Investigator: R.B. Kearsley, M.D., Ph.D.

December 9, 1975 - April 9, 1976.

Title A replication design for parent-child development centers.

Amount: \$49,226 (U.S.)

Agency: Office of Child Development, Health Education and Welfare

Principal Investigator: P.R. Zelazo

Title Cognitive assessment and therapeutic intervention in multiply handicapped infants

July 1, 1978 - June 30, 1979

Amount: \$95, 738.69 (U.S.)

July 1, 1977 - June 30, 1978

Amount \$100, 285 (U.S.)

July 1, 1976 - June 30, 1977

Amount: \$101,598 (U.S.)

January 1, 1976 - June 30, 1976

Amount: \$51, 386 (U.S.)

Agency: Department of Public Health - Division of Family Health Services

Principal Investigator: Richard B. Kearsley, M.D., Ph.D.;Co-Principal Investigator: P.R. Zelazo

1973- 1974

Amount: \$500.00 (U.S.)

Agency: Milton Fund, Harvard University

Principal Investigator: Philip R. Zelazo, Ph.D.

1972- 1973

Amount: \$2,000 (U.S.)

Agency: Milton Fund, Harvard University

Principal Investigator: Philip R. Zelazo, Ph.D.

1969-1970

Amount: \$800 (Cdn.)

Agency: Queen's University Interim Research Committee, Kingston, Ontario

Principal Investigator: Philip R. Zelazo, Ph.D.

1968-1970

Amount: \$3,600 (Cdn.)

Agency: National Research Council of Canada; Associate Committee on Experimental Psychology, Ottawa, Ontario

Principal Investigator: Philip R. Zelazo, Ph.D.

**BROADCASTING MEDIA:**

Canal Vie	“Vivre avec l’autisme”. Interview with Sylvie Lauzon. Originally aired on January 14, 2004.
Télé-Québec TV	Oppression. Dans le cadre des “Grands documentaires”. <u>L’autisme</u> , Interview held on February 19, 2002 and on February 21, 2002.
BBC Radio 4	Life as an Infant. Interview with Rami Tzabar, BBC Radio Science series, July 25, 2001.
CBC Television	The National Evening News Program. Interview with journalist, Linda Calvert, on early intervention for autism, Montreal, June 5, 2001.
CBC Radio	Interview on Autism by Stewart Robinson, May 3, 1999.
CFCF 12 TV	Segment on Autism focusing on Toddler Treatment Group hosted by Lilliane Castellino, filmed November 16, 1998; aired November 19, 20, 1998.
CFCF 12 TV	Interview with Dr. Peter Zwack, Quebec Society for Autism hosted by Leslie Roberts, December 2, 1998.
Le Point TV	Television segment on Toddler Treatment Group as part of program on autism. Société Radio-Canada, Montreal. January 22, 1997.
Pulse News TV	Television feature on parents’ group, Toddler Treatment Group, assessment and treatment procedures.
Syndicated TV	Interview concerning the creation of an information processing approach to the assessment of mental ability in delayed and autistic toddlers, May 1997.
CJAD Radio	Al Gravel one-hour feature, Behavior Problems in Infants and Toddlers, Montreal, Quebec, August 19, 1992.
CFMB Radio	One-hour feature with Paul Roumeliotis, Montreal, Quebec October 6, 1992.
CFCF TV Montreal	Segments of Heart and Mind - The application of an information processing assessment of mental ability to children with cerebral palsy. Telethon of Stars, November 30, December 1, 1991.
Japan Broadcasting Corp.	Interview and illustrations of research on Early Motor Development: A 30-minute segment in a series on the (NIPPON HOSO KYOKAI) development

of the child during the first year. Taped June 1985.

- CFCF Montreal TV Interview on Channel 9, Cable TV, Montreal  
FOCUS, with Barbara Schloss. 5-minute segment on assessment of infant-toddler information processing. Aired on April 15, 18 & 21, 1985
- "Heart and Mind" Half-hour television episode on information processing procedures as an alternative to conventional tests of infant-toddler mental development. This is one of 13 episodes in a series entitled, Breakthroughs in Science, Medicine and Technology (1985). Aired in United States, Canada and Australia Educational Television.
- CFCF TV Montreal Segments of "Heart and Mind" aired on Telethon of the Stars, November 30, December 1, 1985.
- NBC Nightly News Two and a half minute segment illustrating information processing procedures as an alternative to conventional tests of infant-toddler mental development, November 6, 1982.
- Participation in: The Early Years (First part of a series entitled The Human Journey, Canadian Television Company. Award: Finest documentary of the year, 1971, in Canada (First Place) Award: Best social science documentary of the year (First Place), Atlanta, Georgia Film Festival.
- "On Thinking in Infants" Canadian Broadcasting Company; Part of a series.

#### **ARTICLES IN NEWSPAPERS AND MAGAZINES:**

- Interview with Victoria Stefanokof, Social Butterflies. American Baby Magazine, October 2003.
- Interview and APA presentation. Retarded boy learns language at age 8. Behavioral Health Treatment. Vol. 2, no.6, September 1997.
- "New diagnostic tool measures infant, toddler information processing" (1997, June). Psychiatric Times, 14(6), p. 55.
- "Bancroft first in U.S. to offer new test: Canadian method better assesses handicapped". (1997, April), Courier Post (New Jersey), p. 1.
- "Bringing out the best in kids" (1997, March 31). The Gazette, pp. 3-4.
- "What makes kids laugh", (1992, November), article by Alan Hustak.
- "Memory in infancy", (1991, December) article by Ann Cassidy, Working Mother Magazine.

- "Walk this Way", (1991, February), article by Lisa McDonough, Child Magazine.
- "Whining: How to discourage it", (1990, February), article on children's behavior by Betty Palik, Chatelaine.
- "Help, I'm Scared", article on fear in a child's life by Diana Swift, Homemaker's March, 1989.
- "When Speech is Delayed", article about assessment and treatment procedures for developmentally delayed children by Jamie Talon, Newsday, April 1, 1987.

## REFERENCES:

### **Professor Jerome Kagan, Ph.D.,**

Department of Psychology, William James Hall  
Harvard University  
33, Kirkland Street  
Cambridge, MA 02138

### **Professor Virginia Douglas, Ph.D.**

Department of Psychology  
Stewart Biology Building  
McGill University  
1205 Dr. Penfield Avenue  
Montreal, Quebec  
H3A 1B1

### **Thomas Dalton, Ph.D.**

Senior Research Associate  
College of Liberal Arts  
Cal Poly State University  
San Luis Obispo, CA 93407  
U.S.A.

### **Ms. Kathryn Aitken**

Former Administrative Director of Professional  
Services  
Montreal Children's Hospital  
4945 Hampton St.  
Montreal, Quebec H3X 3P8

## CURRENT RESEARCH INTERESTS:

My principal research effort is to continue the development and validation of our visual and auditory information processing procedures as an alternative to conventional tests of intellectual development during the first three years of life. One form of validation led to the identification of children with intact information processing abilities among a sample of children with developmental delays of unknown etiology and to the creation of treatment procedures to eliminate their expressive delays. This research centered on the development of parent-implemented programs to encourage compliant behavior and facilitate the acquisition of expressive language and complex forms of object manipulations. We are now attempting to show that improving behavioral compliance alters emotional development including the child's capacity to tolerate the stresses inherent in task demands. The application of both the assessment and treatment procedures to early autism has become a primary focus. A recent effort to extend the information processing approach "downward" to the neonatal level using habituation and recovery of head-turning to sounds resulted in both basic and applied studies.

A parallel interest has been the investigation of the development of mobility during infancy from a

cognitive-behavioral perspective. A related body of research is directed towards the investigation of the effect of the child's growing cognitive competence on his motor, social, and affective development. One theoretical effort is the attempt to integrate the various forms of research into a view of the infant's developing competence and creation of procedures to assess that competence. Each of these lines of research has implication for procedures used to assess mental development in infants and toddlers - a unifying theme. My interests are focused on the first three years of life, with basic research findings applied to children with a variety of handicapping conditions, particularly early autism.

## **RESEARCH PRESENTATIONS:**

Zelazo, Philip, R. Absolute estimation of distances as a function of angle of regard. Unpublished Master's thesis, North Carolina State University. Supervisor: Dr. E.E. Bernard.

\_\_\_\_\_. (1967). Social reinforcement of vocalizations and smiling of three-month-old infants. Unpublished doctoral dissertation, University of Waterloo, Supervisor: Professor Richard H. Walters.

\_\_\_\_\_. (1969). Smiling to social stimuli by three-month-old home-reared infants. Paper Presentation, Society for Research in Child Development, Santa Monica, March.

\_\_\_\_\_. (1969). Differential three-month-old infant vocalizations to sex of strangers. Paper Presentation, International Congress of Psychology, London, July.

\_\_\_\_\_. (1970). Smiling and vocalizing: A cognitive emphasis. In M. Haith (Chm.), On the meaning of smiling and vocalizing in infancy. Symposium, American Psychological Association Meeting, Miami, September.

\_\_\_\_\_. (1970). A summary and elaboration of Kagan's theory of cognitive development. Paper Presentation, Conference on the Assessment of Tests of Behavior from Studies of Nutrition in the Western Hemisphere. Mayaguez, Puerto Rico, October.

\_\_\_\_\_. (1971). with Hopkins, J.R., Kagan, J., Lyons, K., Minton. C. The discrepancy hypothesis. Paper Presentation, Society for Research in Child Development Meeting, Minneapolis, April.

\_\_\_\_\_. (1973). with Hopkins, J.R., and Kagan, J. Discrepancy as a determinant of reinforcing effectiveness in infants. Paper Presentation, 81st American Psychological Association Meeting, August.

\_\_\_\_\_. (1973). Social development and the issue of day care. In E. Pollitt (Chm.), Symposium, Cognition, Intervention, and Public Policy. Presented at the New England Psychological Association Meeting, Boston, November.

\_\_\_\_\_. (1974). "Newborn Walking": From reflexive to instrumental behavior. In L. Lipsitt (Chm.), Symposium, Developmental Psychology: The Significance of Infancy. Presented at

the meeting of the American Association for the Advancement of Science, San Francisco, February.

- Kagan, J., Kearsley, R., & Zelazo, P. (1975). The emergence of apprehension to peers. Paper Presentation, Conference of The Origins of Behavior, Educational Testing Service, Princeton, N.J., October 12-14.
- Zelazo, P.R. (1975). The year old infant: A point of major cognitive change. Paper Presentation, Conference on Dips in Learning and Development Curves, Organization for Economic Cooperation and Development, St-Paul de Vence, France, March 24-28.
- Kagan, J., Kearsley, R.B., & Zelazo, P.R. (1976). The effects of infant day care on psychological development. In R.B. Kearsley (Chm.), Symposium, The effect of early experience on child development. American Association for the Advancement of Science, Boston, Mass., February 19.
- Zelazo, P.R., Kearsley, R.B., Carew, J., Chan, I., Lieberman, M. & Kagan, J. (1976). Replication design for parent-child development centers. Report prepared for the Office of Child Development, HEW-105-76-1109, May.
- Zelazo, P.R. (1976). Reactivity to perceptual-cognitive events: Application for infant assessment. Paper Presentation, Georgia Warm Springs Conference on Prematurity, Princeton, N.J.
- Zelazo, P.R. (1976). Discussion leader for the 16th Annual Meeting of the New England Psychological Association. Topic: Attachment and separation: Discussion of past methodology and recent findings in cognitive development. Worcester, MA., November 12-13.
- Zelazo, P.R. (1977). Invited participant to the Lilly Endowment, Inc., Forum, Public policies affecting families and young children: Present status and future direction. Washington, DC, January 26-28.
- Zelazo, P.R. & Kearsley, R.B. (1977). Functional play: Evidence for a cognitive metamorphosis in the year old infant. Paper Presentation, Biennial Meeting of the Society for Research in Child Development, New Orleans, March 16-20.
- Kearsley, R.B. & Zelazo, P.R. (1977). The emergence of functional play in infants: A cognitive landmark. Paper Presentation, Annual Meeting of the Ambulatory Pediatrics Association, San Francisco, April 25.
- Zelazo, P.R., Kotelchuck, M., Barber, L. & David, J. (1977). Fathers and sons: An experimental facilitation of attachment behaviors. Paper Presentation, Biennial Meeting of the Society for Research in Child Development, New Orleans, March 16-20.
- Zelazo, P.R. (1977). Social, emotional and cognitive experiences of the infant in day care. In G. Stechler (Chm.), Symposium on the Toddler, Seminar on the Development of Infants and Parents, Emmanuel College, Boston, MA, October 29.



- Zelazo, P.R. (1978). Primary walking in the infant. Invited Address, Meeting on Movement Organization in Infancy and Early Childhood. Teachers College, Columbia University, February 24 - March 1.
- Zelazo, P.R. & Kearsley, R.B. (1978). Early cognition and language: Birth to three years. Invited Address, New Hampshire Speech and Hearing Association, March 9.
- Zelazo, P.R. (1978). The development of walking during infancy: New findings and old assumptions. Invited Address, Temple University, College of Health, Physical Education, Recreation and Dance, June 22.
- Ungerer, J., Zelazo, P.R., Kearsley, R.B. & Kurowski, K. (1979). Play as a cognitive assessment tool. Paper Presentation, UAP-USC Ninth Annual International Interdisciplinary Conference on Piagetian Theory and its Implications for the Helping Professions, Los Angeles, February 2-3.
- Kearsley, R.B. & Zelazo, P.R. (1979). Sextyped differences in the spontaneous play behavior of infants 9 1/2 to 15 1/2 months of age. Paper Presentation, Biennial Meeting of the Society for Research in Child Development, San Francisco, March 14-18.
- Ungerer, J.A., Zelazo, P.R., Kearsley, R.B. & O'Leary, K. (1979). Developmental changes in the use of representational mediums by 18 to 34-month-old children during play. Paper Presentation, Biennial Meeting of the Society for Research in Child Development, San Francisco, March 14-18.
- Zelazo, P.R. (1979). Assessment of cognitive ability in non-vocal children: Alternative procedures. Symposium, Non-Vocal Communication. Tufts University, Medford, Massachusetts, May 30.
- Zelazo, P.R. (1979). An information processing approach to infant cognitive assessment. Invited address to the Symposium, Developmental Disabilities in the Preschool Child: Early Identification, Assessment and Intervention Strategies. Chicago, September 6-8.
- Zelazo, P.R. (1980). An alternative procedure for handicapped infants and toddlers: Theoretical and practical issues. Invited Address, Conference on Handicapped and At-Risk Infants: Research and Application, Monterey, California, April 29-May 2.
- Zelazo, P.R. (1981). Developmental psychology, a basic science: New demands for application. Symposium, Interface of Developmental Psychology, Behavioral Pediatrics and Early Education during Infancy. Biennial Meeting of the Society for Research in Child Development, Boston, April 2-5.
- Zelazo, P.R., Brody, L. & Chaika, H. (1981). Auditory habituation and dishabituation in the newborn. Paper Presentation, Annual Meeting of the Eastern Psychological Association, New York, April 25.
- Weiss, M. & Zelazo, P.R. (1981). The development of mobility in water during infancy. Paper Presentation, Annual Meeting of the Eastern Psychological Association, New York, April 25.

- Zelazo, P.R. (1981). The assessment of information processing ability: An alternative to conventional tests. Invited Address. Session Title: Application of current research to infant assessment. HCEEP/DEC Annual Conference, Washington, DC, December 10.
- Weiss, M.J. & Zelazo, P.R. (1982). Facilitation of swimming during infancy: Evidence for "plasticity" of motor development. Poster Presentation, American Association for the Advancement of Science, Washington, DC, January 6.
- Zelazo, P.R. & Kearsley, R. (1982). Memory formation for visual sequences: Evidence for increased speed of central processing with age. Paper Presentation, International Conference on Infant Studies, Austin, Texas, March 18-21.
- Zelazo, P.R. (1982). The assessment of special needs children: New information from applied developmental psychology. Invited Address, Conference on the Assessment of Special Needs Children and their Families, New Hampshire Developmental Disabilities Council, Waterville, Valley, N.H., October 28.
- Weiss, M. & Zelazo, P.R. (1983). A comparison of infant upper and lower extremity movement: Findings from baseline swimming behavior. Poster Presentation, American Association for the Advancement of Science, Detroit, Michigan, May 28-30.
- Zelazo, P.R. (1984). An information processing approach to infant-toddler assessment. Paper Presentation, Conference on Identification of Infants at Risk for Mental Retardation and Developmental Disability, NICHD: Bethesda, Maryland, August 20-22.
- Weiss, M. & Zelazo, P.R. (1984). The cephalocaudal hypothesis: A comparison of infant leg kicks and arm flexions in water. Poster Presentation, International Conference of Infant Studies, New York, April.
- Zelazo, P.R. & Kearsley, R. (1984). The identification of intact and delayed information processing: An experimental approach. In P.R. Zelazo & Brooks-Gunn (Chairmen); Symposium: Early information processing and later cognitive functioning in delayed and normal infants, International Conference on Infant Studies, New York, April.
- Zelazo, P.R. (1984). Validation of an information processing approach to infant-toddler assessment. Invited Address: Conference on identification disabilities. National Institute of Child Health and Human Development, Baltimore, Maryland, August 19-21.
- Zelazo, P.R. & Kearsley, R. (1984). Validation of an information processing approach to infant-toddler development. Paper Presentation, Proceedings of the International Congress on Pediatric Neurohabilitation, Budapest, Hungary, October 16-19.
- Leonard, E. & Zelazo, P.R. (1984). Early development of infants at risk. Paper Presentation, Proceedings of the International Congress on Pediatric Neurohabilitation, Budapest, Hungary, October 17.

- Zelazo, P.R. & Hrbek, A. Chairmen of Paper Presentation, Methodology Rehabilitation, International Congress on Pediatric Neurohabilitation, Budapest, Hungary, October 17.
- Zelazo, P.R. & Brooks-Gunn, J. (1984). Chairman of Symposium of Early Information Processing and Later Cognitive Functioning in Delayed and Normal Infants, International Congress of Infant Studies, New York, April.
- Zelazo, P.R., Kearsley, R., Stiles, K. & Randolph, M. (1985). Parental facilitation of expressive language. G. Whitehurst (Chairman); Symposium, Early expressive language delay; Identification, correlates and treatment, Paper read, Biennial Meeting of the Society for Research in Child Development, Toronto, April 25-28.
- Zelazo, P.R., Weiss, M. & Swain, I. (1985). The effects of delay on dishabituation of newborn sound localization, Poster Presentation, Biennial Meeting of the Society for Research in Child Development, Toronto, April 25-28.
- Zelazo, P.R. & Barr, R. (1985). Chairmen and organizers of Child Development Symposium on Challenges to Developmental Paradigms: Implications for Theory, Assessment and Treatment. Montreal Children's Hospital, May 3-4.
- Zelazo, P.R. (1985). An information processing view of early mental development: Theoretical and practical issues. Paper Presentation, In P.R. Zelazo and R. Barr (Eds.), Child Development Symposium, Montreal Children's Hospital. May 3-4.
- Zelazo, P.R. (1985). An information processing approach to infant-toddler assessment. Paper Presentation, Harvard Medical School, May 24.
- Zelazo, P.R. & Kearsley, R. (1985). Experimental validation of an information processing approach to infant-toddler assessment. Invited Poster Presentation, American Academy of Behavioral Medicine Research, Kiawah Island, South Carolina, June 4-6.
- Zelazo, P.R. (1985). Colloquium, Concordia University: An Experimental Test of a Central Processing Measure of Infant Toddler Mental Ability.
- Zelazo, P.R. (1985). Colloquium, Royal Victoria Hospital (Child and Adolescent Unit): An Experimental Test of Central Processing Measure of Infant-Toddler Mental Ability.
- Zelazo, P.R., Weiss, M., Randolph, M. & Swain, I. (1985). The effects of delay on dishabituation of newborn sound localization. Paper Presentation, Biennial Meeting of the Society for Research in Child Development, Toronto, April 25-28.
- Zelazo, P.R. (1986). Chair and organizer of Symposium, Newborn Attention to Auditory and Visual Stimuli, International Conference on Infant Studies, Beverley Hills, CA., April 11.
- Zelazo, P.R. & Weiss, M. (1986). Newborn dishabituation to auditory stimuli. In P.Zelazo (Chm.):

Symposium, Newborn Attention to Auditory and Visual Stimuli, International Conference on Infant Studies, Beverley Hills, CA, April 11.

Zelazo, P.R. (1986). An information processing approach for the assessment of infant-toddler mental ability. Peter Hall School Congress. Invited Lecture, Montreal, May 16.

Ramsay, M. & Zelazo, P.R. (1986). Food refusal in failure-to-thrive infants: Nasogastric feeding combined with interactive-behavioral treatment. Poster Presentation, Canadian Psychological Association, Toronto, June 19-21.

Leonard, E. & Zelazo, P.R. (1987). Neonatal motor abnormalities: Effect on infant development. Paediatrics Section, Combined Sections Meeting, American Physical Therapy Association, Atlanta, Georgia, February 13.

Zelazo, P.R. (1987). Resistant behavior in developmentally delayed toddlers: Its role in the acquisition of expressive language, Psychiatry Grand Rounds, Montreal Children's Hospital, Montreal, February 26.

Zelazo, P.R. (1987). Newborn attention to auditory stimuli. Invited Lecture, Queen's University Colloquium, Kingston, Ontario, March 12.

Zelazo, P.R., Weiss, M. & Papageorgiou, A. (1987). Recovery of sound localization among normal, moderate and high risk newborns: Discriminant validity. Poster Presentation, Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland, April 23-26.

Swain, I. & Zelazo, P.R. (1987). Newborn longterm retention of speech sounds. Poster Presentation, Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland, April 23-26.

Zelazo, P.R. (1987). The developmentally delayed child: Alternative assessment and treatment. Montreal Children's Hospital/McGill University Research Institute, Montreal, November 9.

Leonard, E. & Zelazo, P.R. (1988). Exercise of the reflexive stepping pattern with high-risk infants. Poster Presented, 6th Annual International Conference on Infant Studies, Washington, D.C., April 21-24.

Leonard, E., & Zelazo, P.R. (1988). Play in developmental evaluation: Poster Presentation, 6<sup>th</sup> International Conference on Infant Studies, Washington, D.C., April.

Zelazo, N.A., Cohen, K. & Zelazo, P.R. (1988). The specificity of practice on elementary neuromotor patterns. Paper Presentation, 6th Annual International Conference on Infant Studies, Washington, D.C., April 21-24.

Zelazo, P.R. (1988). Very low birthweight babies: Do they improve? Invited discussion, International Conference on Infant Studies, Washington, D.C., April 22.

- Leonard, E. & Zelazo, P.R. (1988). The ontogeny of manipulation: Learning effects and clinical considerations. Paper Presentation, Pediatrics Section, Combined Sections Meeting, American Physical Therapy Association, , Washington, DC., May.
- Leonard, E. & Zelazo, P.R. (1988). From reflexive to instrumental control: A developmental model of motor learning. American Physical Therapy Association/Canadian Physiotherapy Assoc.(APTA/CPA), Las Vegas, June 12-16.
- Leonard, E. & Zelazo, P.R. (1988). Facilitating bipedal locomotion in high-risk infants. American Physical Therapy Association/Canadian Physiotherapy Association Las Vegas, June 12-16.
- Tarquinio, N. & Zelazo, P.R. (1988). Recovery of neonatal headturning to decreased sound pressure level, 49th Annual CPA Convention, Montreal, June.
- Zelazo, P.R. (1988). Information processing and treatment of developmentally delayed infants and toddlers. In P.M. Vietze (Chairman) Symposium, High-Risk Infants and Mental Retardation, 8th Conference of the International Association for the Scientific Study of Mental Deficiency, Dublin, Ireland. August 28.
- Laplante, D., Zelazo, P.R. & Gauthier, S. (1989). Normal, moderate and high-risk infant attention to sequential and static visual stimuli, Society for Research in Child Development Conference, Kansas City, Missouri, April 26-30.
- Zelazo, P.R., Weiss, M., Laplante, D. & Bedard, R. (1989). Predictability from newborn auditory to 4 month visual attention for normal and risk samples. Society for Research in Child Development Conference, Kansas City, Missouri, April 26-30.
- Zelazo, P.R., Kearsley, R., Smith, M. & Rogers, C-L. (1990). Mothers and their developmentally delayed children: Behavioral changes with treatment, 7th International Conference on Infant Studies, Montreal, Quebec, April 19-22.
- Zelazo, P.R. (1990). Higher order influences on stepping and walking. In P. Zelazo (Chair) Symposium, Central and Peripheral Influences on Early Motor Development, 7th International Conference on Infant Studies (ICIS), Montreal, Quebec, April 19-22.
- Zelazo, P.R. (1990) (Chair) Symposium, Our Heritage, our Destiny: Theoretical and Philosophical Influences and Future Directions, 7th International Conference on Infant Studies, Montreal, Quebec, April 19-22.
- Bedard, R., Laplante, D.P., Stack, D.M. & Zelazo, P.R. (1990). Directed functional play behaviors of normal, moderate and high-risk infants. Poster Presentation, American Psychological Association, Boston, August 10-14.
- Laplante, D.P., Zelazo, P.R. & Kearsley, R.B. (1991). The effect of a short-term parent implemented treatment program on the production of expressive language in 32-month-old toddlers. Society for

Research in Child Development Biennial Meeting, Seattle, Washington, April 19-22.

Leonard, E., & Zelazo, P.R. (1991). Sensorimotor development and higher order control. Paper Presentation, American Physical Therapy Association Annual Meeting, Boston, MA.

Papageorgiou, A., Zelkowitz, P., Allard, M., Weiss, M.J. & Zelazo, P.R. (1991). Comparison of cognitive performance of children with birthweight 600-1000 grams and 1001-1500 grams, Annual Meeting of the American Pediatric Society, Society for Pediatric Research, New Orleans, April 29-May 2.

Zelkowitz, P., Papageorgiou, A., Weiss, M.J., Allard, M. & Zelazo, P.R. (1991). Cognitive outcomes in low birth weight children (< 1000 grams): Influence of hospital admission following discharge from NICU, Annual Meeting of the American Pediatric Society, Society for Pediatric Research, New Orleans, April 29-May 2.

Zelazo, P.R. (1991). Infant information processing: An alternative assessment approach. Colloquium, Rehabilitation Services, Montreal Children's Hospital, April 8.

Zelazo, P.R. (1991). Habituation and recovery of neonatal orienting to sound. Colloquium, St. Joseph's Hospital and the Barrow Neurological Institute, Phoenix, Arizona, June 6-7.

Zelazo, P.R. (1991). Higher order influences on stepping and walking. In E. Leonard and P.R. Zelazo: Symposium on sensorimotor development and higher order control. American Physical Therapy Association Annual Conference, Boston, Mass., June 23-27.

Zelazo, P.R. (1991). Facilitating sensorimotor/cognitive skills in the education of young children with handicaps and their families. Invited lecture, Early Intervention Summer Institute, University of New Orleans, Louisiana, July 15- 20.

Stack, D., Laplante, D. & Zelazo, P.R. (1991). Four-month Down Syndrome infants' attention to sequential stimuli. Poster Presentation, American Psychological Association, San Francisco, August 16-20.

Zelazo, P. (1991). Psychological research and clinical service. Invited lecture, Williston Northampton School, Easthampton, Mass., October 19.

Zelazo, P. (1992), Information processing in infants and toddlers. Invited lecture, Developmental Psychology Seminar, Department of Educational Psychology and Counselling, McGill University, March 3.

Zelazo, P. (1992). Higher level cognitive changes: Applications to motor control and walking. In Motor Behavior: Theory to Practice, Essays in honor of Dr. Lawrence T. Taft, Invited Lecture, Second Conference of the Center for Human Development and Developmental Difficulties, UMDNJ-New Jersey's University of the Health Sciences, Robert Wood Johnson Medical School, Department of Pediatrics, April 3.

Stack, D., St-Germain, M. & Zelazo, P. (1992). Five and thirteen-month-old infants' attention to standard

and discrepant presentations of complex tactile stimuli. Poster Presentation, 8th International Conference on Infant Studies, Miami, Florida, May 5 - 10.

Weiss, M.J., Zelazo, P.R. & Stack, D.M. (1992). Combined measures of newborn auditory and visual attention as predictors of risk conditions. Poster Presentation, 8th International Conference on Infant Studies, Miami, Florida, May 5-10.

Zelkowitz, P., Zelazo, P.R. & Papageorgiou, A. (1992). Behavioral problems in very low birthweight and normal birthweight controls. Poster Presentation, Annual Meeting of the American Pediatric Society, Baltimore, Maryland, May 1992.

Zelkowitz, P., Papageorgiou, A., Allard, M. & Zelazo, P.R. (1992). Intellectual development and school achievement in VLBW and normal birthweight controls. Poster Presentation, European Society for Pediatric Research, Uppsala, Sweden, June 1992.

Zelazo, P.R. (1992) The individual in society. Commencement Address, American International College, Springfield, Mass, June 3.

Zelazo, P.R., Stack, D.M. & Arnold, S.L. (1993). Processing of sequential visual stimuli in no-risk, moderate and high-risk 31-month-old infants. Poster Presentation, Society for Research in Child Development Biennial Meeting, New Orleans, March 28.

Zelazo, P.R. (1993). Newborn attention. Invited Address, Université du Québec à Montréal, Nov. 8.

Zelazo, P.R. (1993). Information processing, assessment and treatment for pervasive developmental delay in toddlers. Invited Address, Université du Québec à Montréal, November 8.

Zelazo, P.R., Weiss, M.J. & Reid, C. (1994). Processing of sequential visual stimuli at 13, 22 and 31 months. Poster Presentation, 9th International Conference on Infant Studies, Paris, France, June 2- 5, 1994.

Zelazo, P.R. (1994). The development of higher order control: Application to the neurologically-impaired child. Invited Address, 6th European Regional conference of Rehabilitation International, Budapest, Hungary, September 5.

Zelazo, N.A., Zelazo, P.R., Cohen, K. & Zelazo, P.D. (1994). Infant smiling during stimulation of stepping and sitting. Poster Presentation, 6<sup>th</sup> European Regional Conference of Rehabilitation International, Budapest, Hungary, September 4-9.

Zelazo, P.R. (1994). Information processing, assessment and treatment of mental ability. Lecture, McGill Graduate Class, Department of Psychology, Montreal Children's Hospital, November 3.

Zelazo, P.R. (1994). Learning theory, Resident's Seminar, Department of Psychiatry, Montreal Children's Hospital, November 17.

Zelazo, P.R. (1994). Neonatal information processing. Invited Presentation, McGill School of Education,

November 24.

- Zelazo, P.R., Potter, S.M., & Valiante, A.G. (1995). Effects of fetal cocaine exposure on neonatal information processing. Poster Presentation, Society for Research in Child Development, Indianapolis, Indiana.
- Lalinec, C., Zelazo, P.R., Rogers, C-R., & Reid, C. (1995). Developmental delay: Impact of a parent-implemented behavioral treatment. Poster Presentation, American Psychological Association Annual Convention, New York, NY, August 11-15.
- Zelazo, P.R. (1995). McGraw and the development of unaided walking: A re-examination: Symposium. Chairmen: Thomas Dalton and Victor Bergenn. Myrtle McGraw and the maturation controversy reconsidered. American Psychological Association Convention, August 13, New York, NY.
- Zelazo, P.R. & Zelazo, P. David (1996). The ascent of consciousness. Symposium. Chairmen: T. Dalton and V. Bergenn. The neurobehavior of consciousness: Historical and contemporary view of infancy. 10th International Conference on Infant Studies, Providence, Rhode Island, April 18-21.
- Kruzynski, A.K., Zelazo, P.R., Lalinec, C., Reid, C., & Kay, D. (1996). PosterPresentation, Improvement in play as a function of parent-implemented treatment in toddlers with delays of unknown etiology. 10th Biennial International Conference on Infant Studies, Providence, Rhode Island, April 18-21.
- Zelazo, P.R., Carlin, P.E., Reid, C., & Rotsztein, B. (1996). Play assessment: An empirical investigation of time sampling. Poster Presentation, Quebec Child Mental Health Research Conference, Montreal, Quebec, May 10, 1996.
- Zelazo, P.R., Kearsley, R.B., Kruzynski, A., Ciccone, N., Reid, C., & Thompson, S. (1996). Impact of treatment on play in intact and impaired processors. Poster Presentation, American Psychological Association Convention, Toronto, August 9-13.
- Zelazo, P.R. & Potter, S.M. (1996). Fetal cocaine and nicotine exposure: Effects on neonatal information processing. Symposium. Chairmen: J. Gardner and P.R. Zelazo. Effects of differential risk conditions on infant development. XIVth International Society for the Study of Behavioral Development Conference, Quebec City, August 12-16.
- Kruzynski, A.K., Lalinec, C., Zelazo, P.R., & Reid, C. (1996). Impact of parent-implemented treatment on free play and directed play in toddlers. Poster Presentation, XIVth International Society for the Study of Behavioral Development Conference, Quebec City, August 12-16.
- Reid, C., Rotsztein, B., & Zelazo, P.R. (1996). Emerging vocabulary with treatment in a previously non-speaking eight year old. Poster Presentation, McGill University-Montreal Children's Hospital Research Thirtieth Anniversary Conference, Montreal, Quebec, November 3, 1996.
- Zelazo, P.R. & Zelazo, P.D. (1997). The emergence of consciousness. Symposium. Chairmen: H. Jasper, L. Descarries, V. Castellucci, & S. Rossignol. Consciousness at the Frontiers of Neuroscience,



Université de Montréal, May 5 & 6, 1997.

- Zelazo, P.R. (1997). Infant-toddler information processing assessment. Summer Institute. Autism: Advances in Behavioral Treatment and Neuroscience. Bancroft, Haddonfield, N.J., June 27-29, 1997.
- Zelazo, P.R., Rogers, C.L., Reid, C., Richard, N., Goffredo, M. & Lalinec, C. (1997). A naturalistic association of expressive functioning: picture book. Poster Presentation, Fifth European Congress of Psychology, Dublin, Ireland, July 6-11, 1997.
- Zelazo, P.R., A developmental perspective on autism: Affective, behavioral and cognitive contributions. In T. Charman, J. Burack, N. Yirmiya and P.R Zelazo (Chairmen), Symposium, Fifth European Congress of Psychology, Dublin, Ireland, July 6-11, 1997.
- Reid, C. Rotsztein, B. & Zelazo, P.R. (1997). Onset of talking with treatment in a non-verbal nine-year old. Poster Presentation. Annual Convention of the American Psychological Association convention, Chicago, Illinois, August 15-19.
- Zelazo, P.R., Rotsztein B., Reid, C. & Carlin, P.E. (1997). Is there an optimal duration for observation of play? Poster Presentation. Annual Convention of the American Psychological Association convention, Chicago, Illinois, August 15-19.
- Zelazo, P.R., Kearsley, R.B., Kruzynski, A.K., & Reid, C.(1998). Effect of treatment on play in intact and impaired processors. Poster Presentation. International Conference on Infant Studies, Atlanta, Georgia, April 2-5.
- Zelazo, P.R., Rotsztein, B., Reid, C., & Carlin, P.E. (1998). Is there an optimal duration for observation of play? Poster Presentation. International Conference on Infant Studies, Atlanta, Georgia, April 2-5.
- Rogers, C.-L., Zelazo, P.R., Mendolson, M. & Rotsztein, B. (1998). Behavioral, affective and attentional responses of developmentally delayed and non-delayed preschoolers to task difficulty. Poster Presentation. International Conference on Infant Studies, Atlanta, Georgia, April 2-5.
- Zelazo, P.R. (1998). Developmental theory of Pervasive Developmental Disorder and Autism. Invited Lecture, Newfoundland Department of Family Services and Department of Psychology, Memorial Hospital, St. Johns, Newfoundland, May 4.
- Zelazo, P.R. (1998). Information processing assessment and treatment of Pervasive Developmental Disorder and Autism: Case studies. Newfoundland Department of Family Services and the Department of Psychology, Memorial Hospital, St. Johns, Newfoundland, May 3.
- Zelazo, P.D. & Zelazo, P.R. (1998). The development of consciousness. In T. Dalton (Chmn.).Invited Symposium, The revival of consciousness in psychology: Recent theories and prospects.American Psychological Association convention, San Francisco, CA., August 18.

- Bonin, M., Robaey, P., Zelazo, P.R., & Quintana-Rodriguez, M. (1998). Movement related brain potentials after practice in 6-14 week old infants: A pilot study. XII International Conference on Event-Related Potentials of the Brain (EPIC), Boston, MA, July 19-23.
- Bonin, M., Robaey, P., Zelazo, P.R., & Quintana-Rodriguez, M. (1998). The development of movement-related brain potentials with exercise of the neuromotor stepping pattern in 14-week-old infants. Habilitation and Rehabilitation in Child Neurology Official Satellite Conference of the International Conference on Neurological Advances, Budapest, Hungary, September 20-24.
- Zelazo, P.R., Robaey, P., Bonin, M. (1999). The development of movement related lateralized brain potentials with exercise of the neuromotor stepping pattern in 7 to 14 week old infants. Society for Research in Child Development Biennial meeting, Albuquerque, New Mexico, April 15-19.
- Zelazo, P.R. & Rotsztein, B. (1999). Toward a non-verbal measure of symbolic play in normal and high-risk infants At 13, 22 and 31 months. Society for Research in Child Development Biennial meeting, Albuquerque, New Mexico, April 15-19.
- Zelazo, P.R. (1999). Information processing procedures for evaluating intelligence in infants and toddlers with autism and pervasive developmental disorders. Invited presentation, Autism Epilepsy and Mental Retardation: New Developments in Evaluation and Treatment. Barrow Neurological Institute, St. Joseph's Hospital and Medical Center, Phoenix, Arizona, January 23.
- Horne, P., Barr, R., Young, S., & Zelazo, P.R. (1999). Glucose enhances neonatal memory Paper presentation, McGill University/Montreal Children's Hospital Research Institute Annual Research Day, Montreal, May 12.
- Zelazo, P.R. (1999). Infant development: Research, theory and clinical applications. In F.J. Morrison and C.M. Super (Chmn), Invited Symposium, Stability and change in Developmental Psychology. Harvard University, May 21.
- Zelazo, P.R. (2000). A developmental cognitive-behavioral therapy for early autism: The transition to school. Invited Workshop, Lester B. Pearson School Board, Pointe- Claire, Quebec, February 11.
- Zelazo, P.R. (2000). The Zelazo Method: Invited Address: Focus on autism: Promising approaches to rehabilitation. The Marcia and Edward Bronfman Annual Seminar on Developmental Disabilities, McGill University, Montreal, June 14.
- Zelazo, P.R., & Reid, C. (2000). The Zelazo Method: Invited Workshop : Focus on autism: Promising approaches to rehabilitation. The Marcia and Edward Bronfman Seminar on Developmental Disabilities, McGill University, Montreal, June 15.
- Barr, R., Zelazo, P.R., Horne, P., & Young, S. (2000). Glucose enhances memory in newborns. In E. Blass (Chmn.). Infants and developmental psychology at the crossroads: Integration of biology and cognition in determining behavior. Symposium, International Conference of Infant Studies.

Brighton, England, July.

- Zelazo, P.R.(2000). Early autism: A developmental cognitive-behavioral perspective. In P.R. Zelazo and J.Burack (Chmn), Invited Symposium, The early development of autism.International Conference on Infant Studies, Brighton, England, July 18.
- Rotsztein, B., & Zelazo, P.R. (2000). The development of sex-typed toy preferences and symbolic play behavior. Poster presentation, American Psychological Association Convention, Washington, D.C., August 4-8.
- Zelazo, P.R. (2001). Invited Address, Early autism and the role of mental assessment. Douglas Hospital Research Center-McGill University, Verdun, Quebec, January 8.
- Zelazo, P.R. (2001). Pediatric Medical Grand Rounds, Early autism and the role of cognitive development and assessment. Montreal Children's Hospital, Montreal, Quebec, February 21.
- King, S., Laplante, D.P., Brunet, A., Barr, R.G., Zelazo, P.R., Saucier, J.F., & Meaney, M. (2002). Project Ice Storm: A prospective study of the effects of prenatal maternal stress. Poster presented at the International Conference on Early Psychosis (Copenhagen, Sept 26-28). Winner of best poster award (most innovative research) among 150 posters.
- Valiante, G., Young, S.N., Barr, R.G., & Zelazo, P.R. (2002). Natural feeding enhances human neonatal memory for spoken words. Paper presented at the Montreal Children's Hospital/McGill University Health Centre Annual Research Day. Montreal, Qc, May 29.
- Valiante, G., Young, S.N., Barr, R.G., & Zelazo, P.R. (2002). Natural feeding enhances human neonatal memory for spoken words. Poster presented at the 17<sup>th</sup> Biennial International Society for Studies on Behavioral Development. Ottawa, Ontario, Canada, August 2002.
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