

PABLO ANDRES NEPOMNASCHY, PhD
CURRICULUM VITAE

Assistant Professor
Faculty of Health Sciences
Simon Fraser University
East Academic Annex (EAA) 2016
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AREAS OF SPECIALIZATION AND INTEREST

Ecological perspectives on human reproduction, growth, and development. Life History theory. Effect of environmental and social factors on human reproduction. Human variation in response to social and ecological stressors. Physiological effects of stress on female reproduction, fetal adaptations to maternal stress and effects of prenatal stress on developmental and reproductive strategies on the adult.

EDUCATION

Doctor of Philosophy Graduated: 2005	The University of Michigan - Ann Arbor, MI Anthropology and School of Natural Resources and Environment
Master of Arts Graduated: 1998	The University of Michigan - Ann Arbor, MI Anthropology
Licenciado Degree Graduated: 1994	Universidad Nacional de la Patagonia S.J.B, Argentina Biology

AWARDS AND ACADEMIC HONORS

2005	Distinguished Dissertation Award Horace H. Rackham School of Graduate Studies, The University of Michigan
2002	The Buffalo Award for Science and Nature School of Nat. Res. & Environment, The University of Michigan
1999	Academic Merit Award. School of Nat. Res. & Environment, The University of Michigan
1998	Academic Merit Award. School of Nat. Res. & Environment, The University of Michigan
1997	Academic Merit Award. School of Nat. Res. & Environment, The University of Michigan

Outstanding Licenciado Thesis Mention.

1994 Biology Department, Universidad Nacional de la Patagonia S.J.B, Argentina

PROFESSIONAL POSITIONS

- 2008 – Present **Simon Fraser University, Faculty of Health Sciences**
Assistant Professor
- 2005 – 2007 **National Institute of Environmental Health Sciences, NIH**
Research Fellow, Epidemiology Branch, Research Triangle Park, NC
- 2003 – 2005 **International Max Planck Research School**
Fellow at the “Life Course: Evolutionary and Ontogenetic Dynamics (LIFE Program)”, University of Michigan and Max Planck Institute for Human Development, Berlin, Germany
- 2002 – 2005 **The University of Michigan**
Reproductive Sciences Program, Trainee
2002 - 2005 CLASS Laboratory Research Assistant
2001 Department of Pathology, Research Assistant
- 1994 - 1996 **Universidad Nacional de la Patagonia S.J.B.**
Biology Department, Research Fellow
- 1988 – 1994 **Centro Nacional Patagonico, Chubut, Argentina**
Marine Mammals Laboratory, Research Assistant
- 1990 – 1991 **Fundacion Patagonia Natural, Chubut, Argentina**
Media coordinator for a radio and TV flora and fauna conservation campaign

Teaching Experience

- 2008-present **Faculty of Health Sciences, Simon Fraser University (Canada)**
- 2000 **Anthropology Department, The University of Michigan (USA)**
Primatology, Graduate Student Instructor.
- 1999 Biology, Society and Culture, Graduate Student Instructor.
- 1998 Biological Anthropology, Graduate Student Instructor.
- 1996 Biological Anthropology, Graduate Student Instructor.
- 1998 **Biology Department, The University of Michigan(USA)**
Evolution and Human Behavior, Graduate Student Instructor.
- 1997 **Psychology Department, The University of Michigan (USA)**
Bio-Psychology, Graduate Student Instructor.

- 1997 **School of Nat. Res. & Environment, The University of Michigan(USA)**
Wildlife Behavioral Ecology, Graduate Student Instructor.
- Biology Department, Universidad Nacional de la Patagonia S.J.B, Argentina**
- 1996 Evolution and Genetics, Graduate Student Instructor
199 Introduction to Philosophy of Science, Graduate Student Instructor
1992-1994 Introduction to Geology, Undergraduate Student Instructor

FELLOWSHIPS, SCHOLARSHIPS, AND GRANTS

- 2008 **Simon Fraser University - President's Research Start-up Grant**
(Title: Human Reproductive Biology Laboratory - \$150,000)
- 2006 **NIEHS-NIH Intramural Funding**
(Title: Environmental Exposures and Reproductive Outcomes in the North Carolina Early Pregnancy Study Pilot - \$50,000)
- 2005 **Rackham Pre-Doctoral Fellowship**
Rackham Graduate School, The University of Michigan (\$6,000)
- 2003-2005 **International Max Planck Research School Fellowship**
The University of Michigan and Max Planck Institute for Human Development, Berlin, Germany (\$40,000).
- 2003 **Special One-Term Fellowship**
Rackham Graduate School, The University of Michigan (\$6,000)
- 2002 **Founders Pre-Doctoral Fellowship**
Institute for Social Research, The University of Michigan (\$ 15,000)
- 2001 **Fieldwork Grant**
Department of Anthropology, The University of Michigan (\$4,000)
- 1999 **Spring/Summer Research Grant Program** (with Dr. Bobbi Low).
Rackham Graduate School, The University of Michigan (\$4,000)
- 1999 **Preliminary Field Research Grant**
Latin American and Caribbean Studies, The University of Michigan (\$1,000)
- 1999 **Margaret-Wray French Pre-dissertation Field Work Grant**
Department of Anthropology, The University of Michigan (\$2,000)
- 1997 – 2002 **Discretionary Funds** (yearly awarded – applied towards pre-doctoral research).
Rackham Graduate School, The University of Michigan (\$10,000 total)
- 1999 **Gerald H. Johnson Internship Grant**
School of Nat. Res. & Environment, The University of Michigan (\$2,000)

- 1997 **Aluan Macauley Scholarship**
School of Nat. Res. & Environment, The University of Michigan (\$1,000)
- 1998 - 2003 **Pre-Doctoral Research Grant** (yearly awarded).
School of Nat. Res. & Environment, The University of Michigan (\$1,000 total)
- 1987 - 1993 **Academic Merit Scholarship** (yearly awarded).
Universidad Nacional de la Patagonia S.J.B., Argentina (circa \$20.000 total)

COMMUNICATIONS

Publications

- Nepomnaschy PA, & Flinn, M.V.** (in press) Early life influences on the ontogeny of neuroendocrine stress response in the human child. In P.B. Gray & PT, (Eds.), *Endocrinology of Social Relationships*. Cambridge, MA: Harvard University Press.
- Nepomnaschy PA, Baird DD, Weinberg CR, Wilcox AJ** (2008) *Urinary hCG patterns during the week following implantation*. Human Reproduction 23(2): 271–277
- Nepomnaschy PA, Sheiner E, Mastorakos G c, Arck PC** (2007) *Stress, immune function and women's reproduction* in Stress Responses in Biology and Medicine; Ann. NY. Acad. Sci. 1113: 350-354
- Nepomnaschy PA, McConnell D, Welch K, Strassmann BI, Low BS, and England BG.**(2006) *Cortisol levels and very early pregnancy loss in humans*. Proceedings of the National Academy of Sciences 103(10): 3938-3942.
- Nepomnaschy PA.** (2005) *Stress and Female Reproduction in a Rural Mayan Population*. Doctoral Thesis, The University of Michigan.
- Nepomnaschy, PA, McConnell D, Welch K, Strassmann BI, Low BS, and England BG** (2005). "*Stress and female reproduction: Daily stressors, cortisol levels, the menstrual cycle, and early pregnancy*" Amer J of Hum Biol 17 (2): 40 (abstract):
- Nepomnaschy PA, McConnell D, Welch K, Strassmann BI and England BG.** (2004) *Stress and Female Reproductive Function: A study of daily variations in cortisol, gonadotrophins, and gonadal steroids in a Rural Mayan Population*. Amer J of Hum Biol 16:533-543
- Nepomnaschy PA, Welch K, Mcconnell D, Strassmann BI, and England BG.** (2003) *Adrenal and reproductive hormone changes in parous Mayan women in rural Guatemala*. Amer J of Hum Biol 15 (2): 58 (abstract).
- Nepomnaschy PA.** (1996) *The distribution of economic resources and its effects on the marriage practices among the Tehuelches*. Informe Final Beca de Iniciacion a la Investigación, UNPSJB Biblioteca de la Facultad de Ciencias Naturales. Pto. Madryn, Argentina.
- Nepomnaschy PA.** (1994) *Harem Structure of Southern Elephant Seals (Mirounga leonina)*. Its relationship with Aspects of Individual Social Behavior. Seminario de Licenciatura en Ciencias Biologicas, UNP Fac. Cs. Nat. Pto. Madryn, Argentina.

Manuscripts in Preparation

Nepomnaschy PA, Baird DD, Weinberg CR, Wilcox AJ *Urinary levels of Bisphenol A among fertile, cycling women during the early 1980's.*

Nepomnaschy PA, Baird DD, Weinberg CR, Wilcox AJ *Urinary levels of phthalates among fertile, cycling women during the early 1980's.*

Nepomnaschy PA, Baird DD, Weinberg CR, Wilcox AJ *Variability in adrenal function among fertile, cycling women during the early 1980's.*

Nepomnaschy PA, Hazel A, Low BS. *Fetal loss patterns among primates.*

Nepomnaschy PA, McConnell D, Welch K, Low BS, and England BG. *Women's daily concerns as predictors of urinary cortisol levels in a rural Mayan population.*

Nepomnaschy PA, McConnell D, Welch K, and England BG. *Adrenal Function and women's reproductive status in a rural indigenous population.*

Papers Presented at Scientific Meetings

Hazel, A., Low, B.S., Welch, K., and **Nepomnaschy P. A.** *Reproductive strategies and environmental correlations in the order Primates.* To be presented at the Plenary Symposium of the 33rd Annual Meeting of the Human Biology Association to be held in Columbus, Ohio, USA on April 9-10 2008.

Nepomnaschy PA (2007) *Stress-Triggered Reproductive Suppression: an Evolved Adaptation?* World Congress of Stress, Budapest, Hungary.

Nepomnaschy PA (2007) *Cortisol Levels, Female Reproductive Function and Very Early Pregnancy in Humans.* 5th European Congress of Reproductive Immunology, Berlin, Germany.

Nepomnaschy PA, Weinberg CR, Wilcox A, Baird DD. (2007) *Urinary hCG patterns during the first week after the initiation of implantation.* 32nd Annual Meeting of the Human Biology Association. Philadelphia, Pennsylvania.

Nepomnaschy PA (2006) *Cortisol levels and very early pregnancy loss.* 7th Annual Women's Health Research. University of North Carolina, Chapel Hill, North Carolina.

Nepomnaschy PA, (2005) *The effects of social and environmental Stressors on women's reproductive Function-* LIFE Academy, Max Planck Institute – Berlin, Germany.

Nepomnaschy PA, Welch K, McConnell D, Low BS, Barry England BG. (2005) *Stress and Female Reproduction: Daily Stressors, Cortisol Levels, the Menstrual Cycle, and Early Pregnancy.* Annual Meeting of the Human Biology Association - Milwaukee, Wisconsin USA.

Nepomnaschy PA, and England BG. (2004) *Reproductive suppression: The critical process of implantation.* LIFE Academy, The University of Michigan, Ann Arbor, Michigan.

Nepomnaschy PA, and England BG. (2004) *Reproductive suppression: The critical process of implantation.* 73rd Annual Meeting, American Association of Physical Anthropologists, Tampa, Florida USA.

- Nepomnaschy** PA, Strassmann BI and England BG. (2003) *Psychosocial Stress and Female Reproductive Function in a Rural Mayan Community*. American Anthropological Association, 102nd Annual Meeting, Chicago, Illinois USA.
- Nepomnaschy** PA, McConnell D, Welch K, Strassmann BI, and England BG. (2003) *Daily Stress and Female Reproductive Function in a Mayan Population*. Third Biennial Meeting, Society for the Study of Human Development, Cambridge, Massachusetts USA.
- Nepomnaschy** PA. (2003) *Stress and Reproduction in a Subsistence Population in Rural Guatemala*. LIFE Academy, Max Planck Institute, Berlin, Germany.
- Nepomnaschy** PA, McConnell D, Welch K, Strassmann BI and England BG (2003) *Adrenal and Reproductive Hormone Changes in Parous Mayan Women in Rural Guatemala*. Annual Meeting of the Human Biology Association, Tempe, Arizona USA.
- Nepomnaschy** PA, McConnell D, Welch K, Strassmann BI and England BG (2003) *Adrenal and Reproductive Hormone Changes in Parous Mayan Women in Rural Guatemala*. Anita Payne Lectureship and Poster Day. Reproductive Sciences Program & Department of Obstetrics and Gynecology. The University of Michigan, Ann Arbor, Michigan.
- Nepomnaschy** P. (1996) *Did the Economic Environment of the Patagonian Tehuelche Tribe (XVI to XIX Centuries) Have an Effect on their Marriage System?* Human Behavior and Evolution society, Eighth Annual Meeting. Northwestern University, Illinois, USA.
- Capozzo L.; Batalles M.; Gutierrez S.; Alvarez L.; **Nepomnaschy** P.; Campagna C. (1992) *Arctocephalus Australis. Do Females Prefer Them Strong?* Fifth meeting of Specialists in South American Aquatic Mammals. Buenos Aires, Argentina.
- Nepomnaschy** P.; Gonzales A.; Musmeci J.; Quintana F. (1991) *Radio Program: Patagonia al Natural - Regional Conferences on Environment*. Universidad Nacional de la Patagonia, Trelew, Argentina.
- Dans S.; Crespo E.; Garcia N.; Reyes L.; **Nepomnaschy** P., Koen M. (1991) *Biology and Ecology of the Dusky Dolphin (*Lagenorhynchus obscurus*) along the Patagonic Coast. Preliminary notes*. National Conferences on Marine Sciences. Centro Nacional Patagonico & Universidad Nacional de la Patagonia. Puerto Madryn, Argentina.
- Crespo E.; **Nepomnaschy** P.; Koen M.; Garcia N. (1990) *Preliminary Study of Marine Mammals Diet through Stomach Content and Faeces Analysis*. Fourth Meeting of Specialists in South American Aquatic Mammals. Valdivia, Chile.
- Invited Presentations**
- Nepomnaschy** PA (2007) *Cortisol Levels, Female Reproductive Function and Very Early Pregnancy in Humans*. 5th European Congress of Reproductive Immunology, Berlin, Germany.
- Nepomnaschy** PA (2007) *Stress-Triggered Reproductive Suppression: an Evolved Adaptation?* World Congress of Stress, Budapest, Hungary.
- Nepomnaschy** PA. (2005) *Estrés y Función Reproductiva Femenina: Una Perspectiva Evolutiva*. Univesidad Nacional de la Patagonia San Juan Bosco, Chubut, Argentina.

Nepomnaschy PA. (2004) *Stress and female reproduction: Daily variations in urinary cortisol and its association with ovarian function and early pregnancy.* University of Trier, School of Psychobiology, Trier, Germany.

Nepomnaschy PA (2004) *Stress and reproductive suppression: The critical first three weeks of gestation.* Reproductive Sciences Research Seminars, The University of Michigan, Ann Arbor, Michigan.

Nepomnaschy PA (2003) *Adrenal and Ovarian Function in Mayan Women in Rural Guatemala* Reproductive Sciences Research Seminars - The University of Michigan, Ann Arbor, Michigan.

Mentions in Popular Press (Selected pieces)

“Stressed mothers may risk early miscarriage” (A. Motluk) *New Scientist* February 20, 2006
<http://www.newscientist.com/channel/health/mg18925405.300>

“Stressed women prone to early miscarriages” *United Press International* February 20, 2006.
<http://www.upi.com/NewsTrack/view.php?StoryID=20060220-055626-1640r>

“Mother’s Stress Could Contribute to Early Miscarriage” (Neil Osterweil, Reviewed by Zalman S. Agus)
MedPage February 22, 2006
<http://www.medpagetoday.com/OBGYN/Pregnancy/tb/2730>

PROFESSIONAL AND SOCIAL SERVICE

2007 **Organizer and Chair of the “Stress and Reproduction: From Sexual Dysfunction to Spontaneous Abortion”** Symposium for the 2007 World Congress of Stress, Budapest, Hungary.

Reviewer for Peer-Reviewed Journals

American Journal of Human Biology, American Journal of Epidemiology, Animal Behavior, Biological Psychology, Epidemiology, and Human Nature

2002 **Student representative Search Committee for a new faculty hire**
Department of Anthropology, The University of Michigan, Ann Arbor, MI.

2002 – 2004 **Creator and promoter of the fund to send a Mayan Kakchiquel woman from Guatemala to Medical School.**
A project aimed to strengthen the social position of indigenous women, reduce sexism and reduce women’s morbidity and mortality. Asociación Amigos de la Escuela, Guatemala.

1990-1991 **Co-producer of four TV educational advertisements on the protection of fauna.**
Sponsored by the Fundacion Patagonia Natural and the Government of Chubut Province, Argentina.

1989 – 1991 **Co-producer of a series of educational radio programs.** Fundacion Patagonia Natural, Argentina.

1989 – 1990 **Fauna Conservation Speaker for Elementary Schools in Chubut, Argentina.**
Volunteer for Fundacion Patagonia Natural.

Professional Association Memberships

Human Biology Association

American Association of Physical Anthropologists

Human Behavior and Evolution Society

American Anthropological Association

Guatemalan Scholars Network