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School of Life Sciences, Arizona State University
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EDUCATION

Graduate Studies

2004- Present *Ph.D. Candidate*. Biology. School of Life Sciences, Arizona State University.

Advisor: Dr. Leah Gerber

1996-1998 *M.S.* Marine Resources Management.

Centro Interdisciplinario de Ciencias Marinas-IPN México

GPA 9.55/10

Dissertation: “Tabla de vida del lobo marino de California

Zalophus californianus californianus at Los Islotes rookery, B.C.S., México”.

Undergraduate Studies

1990-1994 Biology. Universidad Nacional Autónoma de México.

GPA 9.82/10 With honors

Dissertation: “Dinámica poblacional del lobo marino de California,

Zalophus californianus, en la lobera Los Islotes, Golfo de California

México”.

AWARDS AND FELLOWSHIPS

April 2008 University Graduate Fellowship. Arizona State University. Summer Financial Support.

December 2005 Travel Grant. ASU’s Graduate and Professional Student Association,

Tempe, AZ. Conference: 16th Biennial Conference on the Biology of Marine Mammals. San Diego, California. December 12-16, 2005.

2004- 2008 Ph.D. Research Grant. Consejo Nacional de Ciencia y Tecnología (CONACyT – Mexico).

1996-1998 M.S. Research Grant. Consejo Nacional de Ciencia y Tecnología (CONACyT – Mexico).

1997-1998 Award: Distinguished Student. Centro Interdisciplinario de Ciencias Marinas IPN, México.

1987-1989 Award: Distinguished Student. Universidad Nacional Autónoma de México.

PUBLICATIONS

Published or in press

Hernández-Camacho, C. J., D. Aurióles-Gamboa, J. Laake, and L. R. Gerber. (in press). Survival rates of the California sea lion, *Zalophus californianus*, in México. Journal of Mammalogy.

Hernández-Camacho, C. J., D. Aurióles-Gamboa, and L. R. Gerber. (in press). Fecundity and birth intervals of the California sea lion, *Zalophus californianus californianus*, in Mexico. Marine Mammal Science.

Jacobs, D. F., C. J. **Hernández-Camacho, J. K.** Young, and L. Gerber. (in press). The role of aggressive behavior in determining the outcome of territorial disputes: California sea lions (*Zalophus californianus*) as a case study. Journal of Mammalogy

Underwood, J., **C. J. Hernández-Camacho**, D. Aurióles-Gamboa, and L. R. Gerber. (in press). Using data on sea lion entanglement to identify sustainable fishing rates in the Gulf of California. Conservation Biology.

Young, J. K., **C. J. Hernández-Camacho**, and L. R. Gerber. 2007. Long-distance movement of a pinniped neonate. *Marine Mammal Science* 23: 926-930.

Aurióles-Gamboa, D., F. García-Rodríguez, M. Ramírez-Rodríguez, and **C. J. Hernández-Camacho**. 2003. Interacción entre el lobo marino de California y la pesquería artesanal en la Bahía de La Paz, Golfo de California, México. *Ciencias Marinas* 29: 357-370.

Aurióles-Gamboa, D. and **C. J. Hernández-Camacho**. 1999. Notes on the Southernmost records of the Guadalupe fur seal, *Arctocephalus townsendi*, in Mexico. *Marine Mammal Science*. 15(2): 581-583.

In review or in preparation

Gerber, L. R., M. González-Suarez, **C. J. Hernández-Camacho**, J. K. Young, and J. Sabo. (in review). Male territoriality determines female fecundity. *Biology Letters*.

Green, D., J. K. Young, **C. J. Hernández-Camacho**, and L. Gerber. (in review). Can animal behavior serve as a proxy for animal condition? Neonate behavior of California sea lions as a case study. *Animal Conservation*.

SYMPOSIA AND WORKSHOP

Issa-Cabrera, M., **C. J. Hernández-Camacho**, and L. Gerber. 2006. Conducta maternal y condición corporal de crías de lobo marino de California (*Zalophus californianus*) en dos zonas reproductivas de la colonia Los Islotes, B.C.S., Mexico. 1^{ra} Reunión Internacional sobre el estudio de Mamíferos Acuáticos SOMEMMA-SOLAMAC. Mérida, Yucatán, México. November 5-9, 2006. Award for Best Oral Presentation (undergraduate category).

Underwood, J, **C. J. Hernández-Camacho**, and L. R. Gerber. 2006. Assessing the effects of fishery entanglement in viability analysis for sea lions in the Gulf of California. 20th Annual Meeting of the Society for Conservation Biology. San Jose, California, June 24-28, 2006. Program Mark Workshop. Colorado State University. Fort Collins, Colorado. June 4-9, 2007.

Issa-Cabrera, M. and **C. J. Hernández-Camacho**. 2005. Comparison of offspring body condition and maternal behavior of the California sea lion (*Zalophus californianus californianus*) in two reproductive zones at Los Islotes rookery, B.C.S., Mexico. 16th Biennial Conference on the Biology of Marine Mammals. San Diego, California. December 12-16, 2005.

Hernández-Camacho C. J., D. Aurióles-Gambos, J. Forcada, and D. Croll. 2004. Survival estimates for the California sea lions (*Zalophus californianus californianus*) in the Gulf of California, México. 22nd Wakefield Fisheries Symposium. Sea Lions of the World. Conservation and Research in the 21st Century. Anchorage, Alaska. September 30- October 3, 2004.

Gerber, R. L., **C. J. Hernández-Camacho**, M. González-Suárez, M. Issa, L. Horwitz, and D. Aurióles-Gamboa. 2004. Integrating behavior and demography in pinniped conservation: California sea lions (*Zalophus californianus*) in the Gulf of California. 22nd Wakefield Fisheries Symposium. Sea Lions of the World. Conservation and Research in the 21st Century. Anchorage, Alaska. September 30- October 3, 2004.

Hernández-Camacho C. J. and D. Aurióles-Gamboa. 2003. Age-specific fecundity and birth interval in the California sea lion, *Zalophus californianus*, in Los Islotes colony Bahía de La Paz, Mexico. XXVIII Marine Mammal International Meeting. Nuevo Vallarta, Nayarit, Mexico. May 12-14, 2003.

Keith O. E., **Hernández-Camacho, C. J.**, and D. Aurióles-Gamboa. 2002. A matrix model of the population of California sea lions (*Zalophus californianus*) at Los Islotes, B.C.S. XXVII Marine Mammal International Meeting. Veracruz, Mexico. May 13-16, 2002.

Aurióles-Gamboa, D. and **C. J. Hernández-Camacho**. 2001. Life table for the California sea lion (*Zalophus c. californianus*) of the Gulf of California. 14th Biennial Conference on the Biology of Marine Mammals. Vancouver, British Columbia, Canada. November 28- December 3, 2001.

Hernández-Camacho, C. J. 2001. Life table of the California sea lion *Zalophus californianus* at Los Islotes rookery B.C.S., Mexico. Primer Semana del Posgrado en Baja California Sur. La Paz, B.C.S., Mexico. June 2001.

Hernández-Camacho, C. J. and D. Aurióles-Gamboa. 2001. Life table for the California sea lion *Zalophus californianus californianus*. XXVI. Marine Mammal International Meeting. Ensenada, B.C., Mexico. May 7-10, 2001.

Aurióles-Gamboa, D. and **C. J. Hernández-Camacho**. 2001. Winter and summer population size and structure of the pinnipeds at San Benitos Islands B.C., Mexico, 1999-2001. XXVI Reunión Internacional para el Estudio de los Mamíferos Marinos. Ensenada, B.C., Mexico. May 7-10, 2001.

Hernández-Camacho, C. J. and D. Aurióles-Gamboa. 2000. Correction factor for population census of California sea lion. XXV Reunión Internacional para el Estudio de los Mamíferos Marinos. La Paz, B.C.S., Mexico. May 7-11, 2000.

Workshop: "Conservation, Analysis, and Planned Management (CAMP) in Mexican pinnipeds and Population and Habitat Viability Analysis (PHVA) for the California sea lion (*Zalophus californianus californianus*). CICIMAR, CBSG, INE, SEMARNAP, Africam Safari, Facultad de Veterinaria-UNAM, INP, Sea World. La Paz, B.C.S., México. February 9-13, 1998.

Hernández-Camacho, C. J. and D. Aurióles-Gamboa. 1997. Late fecundity in branded females of California sea lion, *Zalophus c. californianus* at Los Islotes rookery, Bahía de La Paz, Mexico. XXII Marine Mammal International Meeting. Nuevo Vallarta, Nayarit, Mexico. April 27-May 1, 1997.

Hernández-Camacho, C. J. and D. Aurióles-Gamboa. 1995. Differential mortality by sex and age classes in the California sea lion at Los Islotes, Gulf of California, Mexico. XX Marine Mammal International Meeting. La Paz, B.C.S., Mexico. April 18- 21, 1995. Award for Best Oral Presentation (undergraduate category).

Aurioles-Gamboa, D. and **C. J. Hernández-Camacho**. 1995. Changes in survival of five cohorts of California sea lion at Los Islotes, B.C.S., Mexico. XX Marine Mammal International Meeting. La Paz, B.C.S., Mexico, April 18-21, 1995.

Esquivel, C., Sarti, L., Fuentes, I., and **C. J. Hernández-Camacho**. 1993. The First Documented Observation on the Predation of *Lepidochelys olivacea* by *Orcinus orca*. XIII Annual Sea Turtle Symposium. University of Georgia, Athens, Georgia. February 26, 1993.

POSITION HELD

March 16, 2002 – Present. Associate Professor and Researcher. Centro Interdisciplinario de Ciencias Marinas. Instituto Politécnico Nacional. Mexico.

March 16, 2001 – March 15, 2002. Field and lab Technician. Centro Interdisciplinario de Ciencias Marinas. Instituto Politécnico Nacional. Mexico.

TEACHING EXPERIENCE

Centro Interdisciplinario de Ciencias Marinas-IPN, Mexico. Associate Professor.
Spring 2000/2004 “Ecology and Systematic of Marine Mammals”.

Arizona State University. Graduate Teaching Assistant

Spring 2006/2007 BIO 411 “Advanced Conservation Biology”.

Summer 2006/2007 BIO 498 “Field Ecology: Behavior and Conservation of Sea Lions”.

Fall 2007 BIO “The Living World”.

Spring 2008 BIO 411 “Quantitative Conservation Biology”

PROFESSIONAL AFFILIATIONS

2005- Present Society for Marine Mammalogy.

1997 – Present Sociedad Mexicana de Mastozoología Marina, A.C. (Mexican Society of

Marine Mastozoology, A.C.)

STUDENT MENTORING

Thesis Chair

Issa-Cabrera M. 2006. Conducta maternal y condición corporal de crías de lobo marino de California (*Zalophus californianus californianus*) en dos zonas reproductivas de la colonia Los Islotes, B.C.S. México. Universidad Autónoma de Baja California Sur. México. Bachelor's Degree Honors Thesis.

Thesis Committee Member

Jacobs, D. F. 2008. The role of aggressive behavior in determining the outcome of territorial disputes: California sea lions (*Zalophus californianus*) as a case study. Arizona State University. Bachelor's Degree Honors Thesis

Ugalde, A. 2005. Descripción y cambios temporales en los patrones de marcas naturales en ballenas azules (*Balaenoptera musculus*) fotoidentificadas en Baja California. Universidad Autónoma de Morelos, México. Bachelor's Degree Honors Thesis

Labrada-Martagón, V. 2003. Efecto del turismo en la conducta del lobo marino de California en la lobera Los Islotes, Bahía de La Paz, México. Tesis de maestría. Centro Interdisciplinario de Ciencias Marinas. IPN-México. Master's Degree Thesis