

Jesús Pineda

( Jesús Gabriel Pineda Aguilar )

Associate Scientist, Biology Department, Woods Hole Oceanographic Institution, Woods Hole, MA 02543; (508) 289-2274; (508) 457-2134 (fax); jpineda@whoi.edu;  
<http://science.whoi.edu/labs/pinedalab/>

## **EDUCATION**

- 1993 Ph. D. in oceanography. Scripps Institution of Oceanography, University of California, San Diego, La Jolla CA
- 1986 M.S. in marine ecology. CICESE, Ensenada, Baja California, Mexico
- 1983 B.S. in biological oceanography. Faculty of Marine Sciences, Autonomous University of Baja California, Ensenada, Baja California, Mexico

## **PROFESSIONAL EXPERIENCE**

- 2003 Associate Scientist with tenure, Biology Department, Woods Hole Oceanographic Institution, Woods Hole MA
- 1998 Associate Scientist, Biology Department, Woods Hole Oceanographic Institution, Woods Hole MA
- 1996 Adjunct Professor, Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), Ensenada, Baja California, Mexico
- 1994 Assistant Scientist, Biology Department, Woods Hole Oceanographic Institution, Woods Hole MA
- 1993 Postdoctoral Scholar, Woods Hole Oceanographic Institution, Woods Hole MA

## **AWARDS AND FELLOWSHIPS**

- 2005 Ocean Life Institute Fellow (Woods Hole Oceanographic Institution)
- 1993 WHOI Postdoctoral Scholar
- 1987 CONACyT Doctoral Fellowship (CONACyT is the Mexican equivalent of NSF)

## **AFFILIATIONS**

AAAS American Association for the Advancement of Science  
ASLO American Society of Limnology and Oceanography  
TOS The Oceanography Society

## **RESEARCH INTERESTS**

Benthic ecology. Larval transport, larval ecology, settlement, and recruitment. Large-scale ecology of shallow-water and deep-sea benthic communities. Near-shore oceanography

## PUBLICATIONS, REFEREED

- Pineda, J.**, J. A. Hare, and S Sponaugle. in press. Larval dispersal and transport in the coastal ocean and consequences for population connectivity. OCEANOGRAPHY.
- Cowen, R.K., G. Gawarkiewicz, **J. Pineda**, S.R. Thorrold, and F.E. Werner. in press. Population connectivity in marine systems: an overview. OCEANOGRAPHY.
- Pérez-Brunius, P., M. López, A. Pares-Sierra, and **J. Pineda**. in press. Comparison of upwelling indices off Baja California derived from three different wind data sources. CALCOFI Reports
- Tapia, F., and **J. Pineda**. 2007. Stage-specific distribution of barnacle larvae in nearshore waters: potential for limited dispersal and high mortality rates. MARINE ECOLOGY PROGRESS SERIES 342:177-190.
- Scotti, A. and **J. Pineda**. 2007. Plankton accumulation and transport in propagating nonlinear internal fronts. JOURNAL OF MARINE RESEARCH 65: 117-145
- Pineda, J.**, V.R. Starczak and T. Stueckle (2006) Timing of successful settlement: demonstration of a recruitment window in *Semibalanus balanoides*. MARINE ECOLOGY PROGRESS SERIES 320:233-237
- Pérez-Brunius, P., M. López, and **J. Pineda** (2006) Hydrographic conditions near the coast of northwestern Baja California: 1997 to 2004. CONTINENTAL SHELF RESEARCH 26:885-901.
- Pineda J**, DiBacco C, and V.R. Starczak (2005) Barnacle larvae in ice: Survival, reproduction, and time to post settlement metamorphosis. LIMNOLOGY AND OCEANOGRAPHY 50: 1520-1528
- Ladah L, Tapia F, **Pineda, J**, and M. Lopez (2005) Spatially heterogeneous, synchronous settlement of barnacle larvae. MARINE ECOLOGY PROGRESS SERIES 302:177-185
- Scotti, A., and **J. Pineda**. (2004). Observation of very large and steep internal waves of elevation near the Massachusetts Coast. GEOPHYSICAL RESEARCH LETTERS 31 (5pp.) doi:10.1029/2004GL021052.
- Tapia, F., **J. Pineda**, F. Ocampo-Torres, H. Fuchs, E. Parnell, P. Montero, and S. Ramos (2004). High-frequency observations of wind-forced onshore transport at a coastal site in Baja California. CONTINENTAL SHELF RESEARCH 24: 1573-1585

- Helfrich, K. R. and **J. Pineda** (2003) Accumulation of particles in propagating fronts. LIMNOLOGY AND OCEANOGRAPHY 48: 1509-1520
- Harding, K.C., T. Härkönen and **J. Pineda** (2003). Estimating quasi extinction risk of European harbour seals: reply to Lonergan & Harwood (2003). ECOLOGY LETTERS. 6, 894-897.
- Pineda, J.** and M. López (2002). Temperature, stratification and barnacle larval settlement in two Californian sites. CONTINENTAL SHELF RESEARCH 22: 1183-1198
- Kingsford, M.J., Leis, J., Shanks, A.L., Lindeman, K., Morgan, S., and **J. Pineda**, (2002). Sensory environments, larval abilities and local self-recruitment. BULLETIN OF MARINE SCIENCE 49: 309-340.
- Sponaugle, S., Cowen, R. K., Shanks, A. L., Morgan, S. G., Leis, J., **Pineda, J.**, Boehlert, G., Kingsford, M. J., Lindeman, K., Grimes, C. and J.L. Munro, (2002). Predicting self-recruitment in marine populations: Biophysical correlates and mechanisms. BULLETIN OF MARINE SCIENCE. 49: 341-375
- Pineda, J.**, Riebensahm, D., and D. Medeiros-Bergen, (2002). *Semibalanus balanoides* in winter and spring: larval concentration, settlement, and substrate occupancy. MARINE BIOLOGY (BERLIN) 140: 789-800
- Levin, L.A., Etter R.J., Rex M. A. , Gooday A.J., Smith C.R., **Pineda J.**, Stuart C.T., Hessler R.R. and D. Pawson, (2001). Environmental influences on regional deep-sea species diversity. ANNUAL REVIEW OF ECOLOGY AND SYSTEMATICS 32: 51-93
- Souza, A.J. and **J. Pineda** (2001). Tidal mixing modulation of sea surface temperature and diatom abundance in Southern California, CONTINENTAL SHELF RESEARCH 21: 651-666
- Pineda, J.** (2000). Linking larval settlement to larval transport: assumptions, potentials, and pitfalls. Pp. 61-81. In: OCEANOGRAPHY OF THE EASTERN PACIFIC, J. Färber-Lorda, editor, CICESE, Ensenada.
- Pineda, J.** (1999). Circulation and larval distribution in internal tidal bore warm fronts. LIMNOLOGY AND OCEANOGRAPHY 44: 1400-1414
- Pineda, J.** and H. Caswell (1998). Bathymetric species-diversity patterns and boundary constraints on vertical range distribution. DEEP-SEA RESEARCH II 45: 83-101
- Pineda, J.** and H. Caswell (1997). The dependence of settlement rate on substrate area. MARINE BIOLOGY (BERLIN) 129: 541-548
- Pineda, J.** (1995). An internal tidal bore regime at nearshore stations along western USA: predictable upwelling within the lunar cycle. CONTINENTAL SHELF RESEARCH, 15: 1023-1041

- Pineda, J.** (1994). Spatial and temporal patterns in barnacle settlement rate along a Southern California rocky shore. *MARINE ECOLOGY PROGRESS SERIES* 107: 125-138
- Pineda, J.** (1994). Internal tidal bores in the nearshore: warm-water fronts, seaward gravity currents and the onshore transport of neustonic larvae. *JOURNAL OF MARINE RESEARCH* 52: 427-458
- Pineda, J.** (1993). Boundary effects on the vertical ranges of deep-sea benthic species. *DEEP-SEA RESEARCH* 40: 2179-2192
- Marquet, P., M. J. Fortin, **J. Pineda**, D.O. Wallin, J. Clark, Y. Wu, S. Bollens, C. Jacobi and R.D. Holt (1993). Ecological and evolutionary consequences of patchiness: a marine-terrestrial perspective. Pp. 277-304 *In: PATCH DYNAMICS*, S. Levin, T. Powell and J. H. Steele, editors, Springer-Verlag, Berlin
- Pineda, J.** (1991). Predictable upwelling and the shoreward transport of planktonic larvae by internal tidal bores. *SCIENCE (WASH.)* 253: 548-551
- Pineda, J.** and A. Escofet (1989). Selective effects of disturbance on populations of sea anemones from northern Baja California, Mexico. *MARINE ECOLOGY PROGRESS SERIES* 55: 55-62

#### **NATIONAL AND INTERNATIONAL WORKSHOPS AND SYMPOSIA**

- 2007 Review team. Moorea Coral Reef Long Term Ecological Research. Moorea, French Polynesia, July 2007
- 2006 Evaluation of the Project "Very Near" proposed by Dr. Teresa Cruz. University of Evora Marine Station at Sines, Portugal.
- 2003 Biophysical modeling of the Humboldt Current. Interamerican Institute for Global Change Viña del Mar, CHILE
- 2002 Population connectivity in marine systems. MEETING CO-CHAIR. Jointly supported by the Biological and Physical Oceanography programs, NSF. Durango CO
- 2000 First General Workshop of the Eastern Pacific Consortium for Research on Global Change. Interamerican Institute for Global Change. Heredia, COSTA RICA
- 1999 Open vs. closed populations: Synthesis and analysis of evidence. National Center for Ecological Analysis and Synthesis. R.R. Warner, working group leader. UCSB, Santa Barbara CA
- 1999 Deep-sea biodiversity: spatiotemporal dynamics and conservation strategies. National Center for Ecological Analysis and Synthesis. M. A. Rex, working group leader. UCSB, Santa Barbara CA
- 1998 Internal Solitary Wave Workshop. IOS/WHOI/ONR. Victoria, British Columbia, CANADA

- 1998 FONDAP group on Nearshore Ecology. Pontificia Univ. Católica de Chile, Santiago and Las Cruces, and Universidad Austral, Valdivia, CHILE
- 1996 Comparative studies of oceanic, coastal, and estuarine processes. Interamerican Institute for Global Change. Viña del Mar, CHILE
- 1990 Southern California Bight Physical Oceanography. SIO-MMS, La Jolla CA

## THESES

- Pineda, J.** (1993). Hydrodynamic forcing on shallow water communities: some physical effects and biological consequences of internal tidal bores Ph.D. Thesis. University of California, San Diego
- Pineda, J.** (1986). Selective effect of disturbance on populations of sea anemones from Bahia de Todos Santos, Baja California, Mexico. MS Thesis, CICESE, Ensenada, Baja California, MEXICO

## POPULAR ARTICLES AND WEBSITES

**Pineda, J.** (2004) Rites of passage for juvenile marine life. *Oceanus* 43:26-28  
[ <http://oceanusmag.whoi.edu/v43n1/pineda.html> ]

**Pineda J.** and K. Helfrich (2000). RCRC tank experiments investigate larval and particle accumulation in internal bore fronts. *Coastal Research*. Reinhart Coastal Research Center, Woods Hole Oceanographic Institution. 4, 1, 10-11

**Pineda, J.** (1999). Larval transport by internal tidal bores *in* Woods Hole Oceanographic Institution 1998 Annual Report. V. Cullen, ed. pp. 8-9

**Pineda, J.** (1999). Issues in larval transport by internal tidal bores *in*: The 1998 WHOI/IOS/ONR Internal Solitary Wave Workshop: Contributed papers. Duda, T.F., Farmer D.M. Eds. Technical Report no. WHOI-99-07. Woods Hole Oceanographic Institution. Woods Hole, Massachusetts, USA

**Pineda, J.** (1992). Mareas internas y transporte larvario. (Internal tides and larval transport) *Investigación y Ciencia* No. 287 44-45 (Spanish edition of *Scientific American*.)

Websites projects by J. Pineda

<http://science.whoi.edu/labs/pinedalab/>

<http://www.whoi.edu/science/B/biocomplexity/>

## REPORTS

- 2006 Pérez-Brunius, P., V. Starczak, **J. Pineda**, J. Gyory, and H. Levine, 2006. Physical data report of measurements taken in Bahia Honda, Panama, during three field trips: March 2005, November 2005, and March 2006 (Population limitation at the land-sea interface: do jungle derived secondary metabolites structure marine sessile communities?). Technical Report. Depto. Oceanografía Física, CICESE. 85 p.
- 2006 Starczak, V., **J. Pineda**, P. Pérez-Brunius, J. Gyory, and H. Levine. The role of

season, salinity on epiphyte abundance in two coastal lagoons in Bahia Honda, Panama: Methods, analysis and results of lab and field biology experiments. (November 2005 and March 2006). Lab Internal Technical Report. Biology Dept., WHOI.

- 2004 Hidrografía y distribución de larvas en la costa Oeste de Baja California: resultados preliminares de las campañas NO-HYPE. Paula Pérez Brunius, Fabián Tapia, Claudio DiBacco, Joaquín García Córdova, Manuel López Mariscal and **Jesús Pineda**. 11pp. Report to comply with permit obligations with the Mexican Government
- 2003 Cowen, R. K., G. Gawarkiewicz, **J. Pineda**, S. R. Thorrold, and F. Werner. Population connectivity in marine systems. Report of a workshop to develop science recommendations for the National Science Foundation, November 3-6 Durango, Colorado
- 2001 **Pineda J.**, Lawson, E., Gutiérrez de Velasco, G., Herrera, H. and Smith, D.W. (2001). CTD Data Report. Cruise LARBAJA V (Larvae in Alta and Baja California). 7-12 April 2001. R/V Robert Gordon Sproul. 14 pp, and 39 Figures
- 2001 **Pineda J.**, Lawson, E., Gutiérrez de Velasco, G., Herrera, H. and Smith, D.W. (2001). CTD Data Report. Cruise LARBAJA IV (Larvae in Alta and Baja California). 3-7 August 1998. R/V Robert Gordon Sproul. 12 pp, and 33 Figures
- 1998 **Pineda J.**, and Lawson, E. (1998). CTD Data Report. Cruise LARBAJA Leg 3 (Larvae in Alta and Baja California). 4-9 April 1997. R/V Robert Gordon Sproul. 12 pp, and 32 Figures
- 1997 **Pineda J.**, Hendershott, M. and Lawson, E. (1997). CTD Data Report. Cruise LARBAJA Leg 2 (Larvae in Alta and Baja California). 20-26 August 1997. R/V Robert Gordon Sproul. 12 pp, and 23 Figures

#### **INVITED PRESENTATIONS, 2000 – PRESENT**

- 2007 Environmental Fluid Dynamics Seminar, Civil and Environmental Engineering, MIT. May
- 2007 ASLO winter meeting, Santa Fe. Special section “Supply-side Ecology: what have we learned since (Lewin) 1986
- 2006 Marine Station at Sines, University of Evora, Portugal. May.
- 2005 VI Encontro de Bioincrustação, Ecologia Bêntica e Corrosão. Arraial do Cabo, Brazil. July 2005. Two 1 h plenary presentations.
- 2005 USC, Department seminar. May 2005.
- 2004 ONR site visit. Progress Review, Northeast Region. Woods Hole, 29 September 2004.
- 2004 Summer fellow lecture series, WHOI, July 2004
- 2003 Institute of Marine and Coastal Sciences, Rutgers University. 10 November
- 2003 Biocomplexity in the Environment Awardees Meeting. September, Arlington, VA
- 2003 Tjärnö Marine Biological Lab, Tjärnö, Sweden. May

- 2003 Observatoire Oceanologique de Banyuls-Sur-Mer, Banyuls sur Mer, France. May
- 2003 Skidaway Institute of Oceanography, Savannah GA. May
- 2002 Boston University Marine Program, Woods Hole MA. Dec
- 2002 Graduate School of Oceanography, University of Rhode Island, Narragansett RI. Dec
- 2002 Population connectivity in marine systems workshop, Durango CO. Plenary Speaker. Nov
- 2002 Department of Oceanography, University of Hawaii at Manoa, Honolulu HI Oct
- 2002 5<sup>th</sup> International Larval Biology Meeting, Vigo, Galicia, Spain. Keynote Speaker
- 2002 El Niño Symposium & Workshop. Impacts of El Niño and basin-scale climate change on ecosystem and living marine resources: a comparison between the California and the Humboldt current systems. UCV/AWI/IAI/SCCM. Viña del Mar, Chile. Keynote Speaker. Pineda J. and M. López
- 2002 AGU Ocean Sciences Meeting, Honolulu HI. 40 minutes presentation. Pineda J. and M. López. EOS, Transactions, Abstract OS41K-01 AGU 83: 308
- 2002 Department of Marine Sciences, University of North Carolina, Chapel Hill NC
- 2001 Biocomplexity in the Environment meeting. Pineda J. et al. NSF, Arlington VA
- 2001 School of Marine Sciences and Technology, University of Massachusetts, New Bedford MA
- 2001 Marine protected areas: design and implementation for conservation and fisheries restoration. Ocean Science Life Institute, WHOI, Woods Hole MA. Invited Speaker
- 2001 Gordon Research Conference in Coastal Ocean Circulation. Colby-Sawyer College, New London NH. Plenary Speaker
- 2000 AGU Fall Meeting. San Francisco CA. Pineda J. et al. EOS, Transactions, American Geophysical Union 81: F561
- 2000 The La Niña event and its biological impact. CONCYTEC, Lima, Perú. Pineda J. and M. López
- 2000 Department of Marine Sciences, The University of Connecticut, Groton CT

**CONTRIBUTED PRESENTATIONS AND PUBLISHED ABSTRACTS, 2000 - PRESENT**

- 2006 J. Pineda and V. Starczak. Recruitment windows: implications for effective dispersal and connectivity in benthic populations. Larval Biology Symposium, Coos Bay. Oregon, August 2006.
- 2006 J. Pineda and N. Reynolds. Dispersal and connectivity in nearshore benthic populations when physical- and larval transport processes are not well known. Larval Biology Symposium, Coos Bay. Oregon, August 2006.
- 2006 V. Starczak, P. Perez-Brunius, J. Pineda, J. Gyory and H. Levine. Pre- or post-settlement? The role of season, salinity, and flushing in determining barnacle distribution in two adjacent mangrove coastal lagoons. Larval Biology Symposium,

Coos Bay. Oregon, August 2006.

- 2006 J. Pineda and V. Starczak. Recruitment windows: implications for "effective" connectivity in benthic populations. Ocean Sciences Meeting, Honolulu, Hawaii, February 2006.
- 2005 Perez-Brunius, P., López, M. and J. Pineda. Condiciones hidrográficas cerca de la costa noroccidental de Baja California: 1997 a 2004. Unión Geofísica Mexicana, Puerto Vallarta, Mex . November 2005.
- 2005 Pérez-Brunius, P., López M., Parés Sierra A., Flores A. L. and Pineda, J. Comparación entre los índices de surgencias estimados con vientos de satélite, un modelo atmosférico, y estaciones meteorológicas cerca de la costa de Baja California. Unión Geofísica Mexicana, Puerto Vallarta, Mex . November 2005.
- 2005 Pineda, J., C. DiBacco and V. Starczak. Barnacle larvae in ice: Survival, metamorphosis and reproduction. ASLO Summer meeting, Santiago de Compostela, Spain, June
- 2005 Pineda, J. and V. Starczak. Components of "effective" larval dispersal and connectivity: from gamete and larval release to settlement and survival to reproduction. International. Ocean Res. Conference (TOS) Paris, June.
- 2005 Cowen, R.K., G. Gawarkiewicz, J. Pineda, S. Thorrold, and F. Werner. Population connectivity in ocean ecosystems –introduction. International. Ocean Res. Conference (TOS) Paris, June.
- 2005 Scotti, A and J. Pineda. Plankton accumulation in nonlinear internal phenomena: Results from a high-resolution 3D numerical model. European Geosciences Union. Geophysical Research Abstracts 7, 03884. Vienna, April
- 2005 Scotti, A and J. Pineda. Observation of nonlinear internal waves of elevation with trapped cores in Massachusetts Bay. European Geosciences Union. Geophysical Research Abstracts 7, 03880. Vienna, April
- 2005 Pineda, J, V. Starczak, and C. DiBacco. Benthic population dynamics: processes, timing, and coupling of scales. Salt Lake City, Aquatic Sciences Meeting, Feb
- 2004 Pineda, J., C. DiBacco and V. Starczak. Barnacle larvae in ice survive to reproduce. The 6th International Larval Biology Conference. Hong Kong, June
- 2004 Pineda, J., Starczak, V. and C. DiBacco. Biocomplexity: regional variability in reproductive timing, settlement and recruitment of an intertidal barnacles in the US northeast coast. ASLO/TOS 2004 Ocean research conference. Honolulu, HI Feb
- 2004 Tapia, F. and J. Pineda. Biocomplexity: spatial variability in the reproductive output of intertidal barnacles in southern and Baja California –effects on distribution and dynamics. ASLO/TOS 2004 Ocean research conference. Honolulu, HI Feb
- 2004 Jarrett, J, Pineda, J. and C. DiBacco. Complexity in marine benthic population dynamics. ASLO/TOS 2004 Ocean research conference. Honolulu, HI Feb
- 2004 López, M. and J. Pineda. Coastal winds and pressure signals along the Baja California and Southern California Coasts. Ocean Sciences Meeting, Portland, OR EOS Trans. 84 Abstract OS51L-03



- 2004 Scotti, A.D., Pineda, J. and S. Gallager. Observation of very-large very-steep internal waves of elevation in Massachusetts Bay. EOS Trans. 84 Abstract OS22G-08
- 2003 Pineda, J. and Gallager, S. Tidally generated undular bores and near-surface plankton distribution in Massachusetts Bay. 3<sup>rd</sup> International Zooplankton Production Symposium. Gijón, Spain
- 2003 Starczak, V. Pineda, J. and Stueckle, The effect of temperature and settlement date on time to metamorphosis of settled barnacle cyprids (*Semibalanus balanoides*). Benthic Meeting. Benthic Ecology Meeting, Mystic CT
- 2002 Starczak V., J. Pineda, T. Stueckle, and T. Pugh. Effect of temperature on the time until metamorphosis and survival in newly settled cyprids of the barnacle *Semibalanus balanoides*. 5<sup>th</sup> International Larval Biology Meeting. Vigo, Galicia, SPAIN
- 2002 López M. and J. Pineda. Winds, pressure, and currents along the Baja and Southern California coasts. III Coloquio sobre Oceanografía del Pacífico Oriental. CICESE, Ensenada, Baja California, MEXICO
- 2002 Pineda J., Gallager, S.M., and A. Scotti. (2002). Tidally generated undular bores and near-surface plankton distribution in Massachusetts Bay: a combined observational and theoretical approach. AGU-ASLO Ocean Sciences Meeting, Honolulu HI. EOS, Transactions, Abstract OS41E-76, AGU 83: 296
- 2001 Pineda J., Riebensahm, D., and D. Medeiros-Bergen (2001). *Semibalanus balanoides* in winter and spring: larval abundance, settlement, and substrate occupancy. 30<sup>th</sup> Benthic Ecology Meeting, Durham NH
- 2000 Pineda, J. (2000). Onshore larval transport in internal tidal bore warm fronts: cross-shore advection, secondary circulation, and larval behavior. 4<sup>th</sup> International Larval Biology Meeting, Santa Cruz CA
- 2000 Pineda, J. (2000). Internal tidal bore fronts: circulation and taxon-dependent larval accumulation and transport. AGU-ASLO Ocean Sciences Meeting, San Antonio TX. EOS, Transactions, AGU 80: OS42

## **CRUISE EXPERIENCE**

- 2004 Chief Scientist. **NO-HYPE IV**. NSF. Southern CA. and Northern Baja California
- 2003 Chief Scientist. **NO-HYPE III**. NSF. Southern CA. and Northern Baja California
- 2002 Chief Scientist. **Internal-bore II**. ONR. Massachusetts Bay
- 2002 Chief Scientist. **NO-HYPE II**. NSF. Southern CA. and Northern Baja California
- 2001 Chief Scientist. **Internal-bore I**. ONR. Massachusetts Bay
- 2001 Chief Scientist. **NO-HYPE I**. NSF. Southern CA and Northern Baja California. (NO-HYPE is an abbreviation for **N**earshore-**O**ffshore **H**ydrodynamics and **P**opulation **E**cology.)
- 1999 Chief Scientist. **Larbaja 5**. NSF. Southern CA and Northern Baja California
- Fall 1998 Chief Scientist. **Larbaja 4**. NSF. Southern CA and Northern Baja California

- Spring 1998 Chief Scientist. **Larbaja 3**. NSF. Southern CA and Northern Baja California
- 1997 Chief Scientist. **Larbaja Leg 1 and 2**. NSF. Southern CA and Northern Baja California. (LARBAJA is an abbreviation for **Larvae in Baja and Alta California**.)

### TEACHING, STUDENTS, POSTDOCS AND THESIS COMMITTEES

- 1995-2005 Classroom teaching. MIT-WHOI Joint Program. Biological Oceanography and Regional Ecology.
- 1991-1992 Teaching Assistant. Evolution and Ecology Laboratory. Department of Biology, University of California, San Diego. San Diego CA
- 1985-1987 Instructor, Faculty of Marine Sciences, Autonomous University of Baja California. Ecology, Benthic Ecology with lab, and Marine Ecology with lab. Ensenada, Baja California, MEXICO
- Graduate Students
- F. Tapia. WHOI-MIT Joint program student 1999 –2005
  - J. Gyory. WHOI-MIT Joint program student 2004 –
  - J. Blythe WHOI-MIT Joint program student. 2001 –
  - D. Riebensahm. WHOI guest student, 1995-1996, Free University of Berlin
- Postdocs
- Brian White, Ph.D. at MIT. WHOI postdoctoral scholar (co-sponsored). Fall 2005 -
  - Nathalie Reyns, Ph.D. at UNC. WHOI postdoctoral scholar (co-sponsored). Fall 2005 –.
  - Paula Pérez-Brunius, Ph.D. at University of Rhode Island, WHOI postdoctoral investigator. (Current position, researcher at CICESE, Mexico.) 2002-2004
  - Claudio DiBacco, Ph.D. at SIO, UCSD, WHOI postdoctoral fellow. (Current position, assistant professor at Bedford Institute of Oceanography, Canada.) 2001-2003
  - Jim Leichter, Ph.D. at Stanford U., WHOI postdoctoral scholar. (Current position, associate professor at Scripps Institution of Oceanography, UCSD.) 1997-2001
  - E. Paul Parnell, Ph.D. at U. Hawaii, WHOI postdoctoral investigator (Current position, postdoc at Scripps Institution of Oceanography, UCSD.) 2000-2001
- Thesis committees
- B. Walther, D. Poehls, A. Govindarajan, M. Hill, E. Garland, W. Cho. MIT-WHOI JCBO program