

14th International Larval Biology Symposium presentation schedule -- Monday 28 September 2026

Time	Location	Session	
8:30-9:00	Clapp Auditorium (MBL)	Opening Remarks	
9:00-10:00		Plenary	Craig M Young. The Larval Biology Meetings, and four decades of larval studies in the deep sea
10:00-10:30		Coffee break	
10:30-10:45	Clapp Auditorium (MBL)	A Larval Legacy: Reproductive ecology from the subtidal to the deep sea. A Session in Honor of Craig Young Chairs: Shawn Arellano & Caitlin Plowman	Paul Tyler TBD
10:45-11:00			Lauren Rice, C.Q. Plowman, A.E. Calhoun, M. DePaolis, L. Bash, & C.M. Young. Does larval food supply drive reproductive seasonality in the deep ocean? An experimental test of Crisp's Rule with the bathyal echinoid <i>Strongylocentrotus fragilis</i>
11:00-11:15			Mary A. Sewell. Embryo and Larval Development during the Polar Winter
11:15-11:30			Paul Dunn. Bigger changes, bigger risks: lessons on developmental mortality from crustacean larvae
11:30-11:45			Caitlin Q. Plowman, S.M. Arellano, & C.M. Young. First estimates of gamete subsidies from a deep chemosynthetic ecosystem to the pelagic food web
11:45-12:00			Takuya Yahagi, K. Shirai, J. Hirai, & Y. Kano. Larval migration from deep-sea hydrothermal vents to the euphotic zone
12:00-12:15			Shawn M. Arellano, T.M. Ladd, O. Cannon, C. Vetriani, N. Le Bris, & L.S. Mullineaux. Components of the microbial biofilm predict larval settlement at hydrothermal vents
12:15-13:30		Lunch break	
13:30-13:45	Clapp Auditorium (MBL)	Unraveling settlement, metamorphosis and recruitment: From basic understanding to aquaculture Chair: Jared Weems	Noah Gorman* & A. Chaves Fonnegra. Efficacy of diets in commercial bath sponges
13:45-14:00			Rachel Ionata, L. Abrams, & J. Figueiredo. Optimizing coral larval stocking density to increase production for reef restoration
14:00-14:15			Joana Figueiredo, N. García, M. Miller, & D.A Renegar. Desperate Larva or Death Before Dishonor: can old coral larvae replenish degraded reefs?
14:15-14:30			Karen Alldridge* & C. Suckling. Developing hatchery production and optimizing microalgal diets for Atlantic Purple Sea Urchin (<i>Arbacia punctulata</i>) for integrated oyster aquaculture
14:30-14:45			Stephen Eddy & L. Kogson. Optimizing settlement of green sea urchin <i>Strongylocentrotus droebachiensis</i> larvae for commercial seed production and aquaculture
14:45-15:00			Martha Hauff, K. Twyman, J. J. Suca, & J. K. Llopiz. Small-scale spatial variability in coral reef fish settlement
15:00-15:30		Coffee break	
15:30-15:45	Clapp Auditorium (MBL)	Advances in larval methods and other diverse topics Chairs: Andrew Corso & Rodrigo Zúñiga Mouret	Olivia Robson, H. Walsh, & A. Jacobsen. The energetic shifts in zooplankton of the Northeastern US Shelf amidst a changing climate
15:45-16:00			Shannon Murphy*, R.H. Blustajn, R. Hudson, & M. Gomez-Chiarri. Larval diagnostic playbook: development of a workflow to determine causes of larval crashes in Atlantic coast bivalve hatcheries
16:00-16:15			Douglas Pace, B. Pernet, & D. Johnson. How heritable is food-conditioned plasticity in ciliated band length in sand dollar larvae?
16:15-16:30			Andrew Corso, L. Zhao, S.M. Gallager, S. Li, H.J. Walsh, & C. Chen. Advances in collection, identification, and analysis of larval Atlantic sea scallops (<i>Placopecten magellanicus</i>)
16:30-16:45			Sarah Glancy, D.E. Richardson, C.M. Hernández, K.D. Walter, A. Jacobsen, K.E. Marancik, J.F. Walter III, & M.V. Lauretta. 2025 Slope Sea Atlantic Bluefin Tuna (<i>Thynnus thynnus</i>) larval sampling results and use cases, including close-kin mark-recapture
16:45-17:00			Vanessa Jimenez, S. Arellano, A. Van Gaest, T. Ladd, & L. Rice. Larval Communities at Hydrothermal Vents Following the 2022 Hunga Eruption in the Lau Basin
17:00-18:00		Larval Biology Society Open Meeting. Open to all LBS26 attendees. The LBS26 Organizing Committee will summarize the state of LBS and an open discussion will be held regarding desires for the society and options for possible future Larval Meetings and conference sessions.	
		Dinner break	
19:30-21:00	Clapp Auditorium (MBL)	Film Pre-Release Screening A pre-release screening of <i>Born in the Abyss</i> , a new film about research into deep sea larvae, followed by a Q&A with the film team	

* = student presentation award nominee

14th International Larval Biology Symposium presentation schedule -- Tuesday 29 September 2026

Time	Location	Session	
8:30-9:15	Redfield Auditorium (WHOI)	Plenary	Meike Stumpp. Ecophysiology of marine larvae: key mechanisms for coping with ocean change
9:15-10:00		Plenary	Sarah C. Donelan. The case for legacy: past experiences affect organisms and ecosystems across marine systems
10:00-10:30	Redfield Lobby	Coffee break	
10:30-10:45	Redfield Auditorium (WHOI)	Larval performance under stress: Impacts of changing climate, pollution, and multiple stressors I Chairs: Sinja Rist & Kevin Ugwu Hernández	Paxton Easton* , T. Houston, B.F. Beal, G. Cowles, K.D.E. Stokesbury, & M.D. Zavell. Assessing the thermal tolerance of Atlantic sea scallop (<i>Placopecten magellanicus</i>) early life stages
10:45-11:00			Tatiana Olivares-Bañuelos & T. Barragán-Landeros. Thermal stress response in larval and post-larval of <i>Dendroaster excentricus</i>
11:00-11:15			Lola Nader* , C. Blurton, F. Melzner, & M. Stumpp. Effects of adult acclimation and larval rearing temperature on reproduction and early development in the Arctic sea urchin <i>Strongylocentrotus droebachiensis</i>
11:15-11:30			Christopher Murray , L. Jones, E. Siegfried, Z. Baumann, D. Wiley, N. Therkildsen, N. Aluru, & H. Baumann. Transcriptomic responses to ocean acidification in embryos of Northern sand lance (<i>Ammodytes dubius</i>)
11:30-11:45			Christine Blurton* & M. Stumpp. Knowing the limits of your model organism: Thermal performance of <i>Lytechinus pictus</i> larvae under low pH
11:45-12:00			Philip M. Gravinese , E. Miranda, H. Craft, R. Meberg, E. Patty, Z. Loreant, A. Smith, G. Faraci, L. Trevillian, C. Potts, Z. Xue, & D. Holstein. Spinning off course: How future oceans affect stone crab larvae
12:00-12:15			Coline Caillon , C. Cerasia, & J. Puritz. Stage-specific responses of Eastern oyster larvae exposed to multiple coastal stressors
12:15-13:30		Lunch break. Poster presenters hang posters in MBL Swope	
14:00-14:15	Redfield Auditorium (WHOI)	Larval performance under stress: Impacts of changing climate, pollution, and multiple stressors II Chairs: Sinja Rist & Kevin Ugwu Hernández	Amy Tan , S. Hendricks, A. Williams, K. Buckley, & M. Strader. Environmental marine microbes drive larval host gene expression and immune responses
14:15-14:30			Jonathan Puritz , J.A. Harvey, & K.E. Lottherhos. Synergistic selection across the genome of eastern oyster larvae under coastal acidification and sewage effluent: a CASE study
14:30-14:45			Isabella Jackson* , M.G.J. Hartl, F. Orton, C.R. Magill, M.A. Taggart. Commonly co-occurring stressors in industrialised estuaries disrupt larval development in blue mussels
14:45-15:00			Sinja Rist , C. Rodrigo González, K. Ugwu, A.A. Musse, M. Larsson, E.E. Nielsen, & T.G. Nielsen. Cumulative impacts of climate change and crude oil pollution on blue mussel larvae across populations
15:00-15:15			Kevin Ugwu* , S. Rist, S. Dupont, A. Palmqvist, & K. Syberg. Cumulative effects of real life nanoplastics and climate change on sea urchins and brittle stars larvae
15:15-15:30			Coleen Suckling , B. Elba, & A.J. Davies. Determining whether sea urchin phenology and reproductive success changes with environmental temporal change
15:30-16:00		Break. Poster presenters hang posters in MBL Swope	
16:00-18:00	MBL Swope	Poster Session & Mixer (list of posters below)	

* = student presentation award nominee

14th International Larval Biology Symposium presentation schedule -- Wednesday 30 September 2026

Time	Location	Session
8:30-8:45	Redfield Auditorium (WHOI)	Jeffrey Good* , A. Jeffs, Q. Fitzgibbon, & S. Spreitzenbarth. Thermal sensitivity and aerobic scope in paralarvae of <i>Octopus tetricus</i>
8:45-9:00		Houshuo Jiang , J.A. Pechenik, & A.S. Tyrell. To eat and not be eaten: Hydrodynamic adaptations of velum morphology in molluscan veligers
9:00-9:15		Anthony Pires , L. Herndon, M. DiBenedetto, & L. Mullineaux. Neural modulation of swimming in a gastropod veliger
9:15-9:30		Carolyn Nieder , N. Aoki, A. Sarin, S. Jarriel, N. Formel, Y. Jézéquel, M. Kastner, G. Goodbody, M. Schonwald, M. Lammers, C. Keller, A. Apprill, & A. Mooney. Acoustic enrichment enhances coral recruitment under favorable ecological conditions
9:30-9:45		Amy Moran , G. Lobert, & M.W.A. Toh. Spawning, paternal care, and larval development of an Antarctic colossendeid sea spider
9:45-10:00		Christina Zakas & N.D. Harry. Genetic regulation of a larval dimorphism
10:00-10:15		Yuxuan Xu* , K. Rawlinson, T. Attenborough, S. Kerr, F. Blow, G. Rinaldi, M. Berriman. Single-cell atlas of the human-infective <i>Schistosoma mansoni</i> cercaria larva highlights novel cell types and transcriptional programs underlying mammalian host invasion
10:15-10:45	Redfield Lobby	<i>Coffee break</i>
10:45-11:00	Redfield Auditorium (WHOI)	James Dimond , S. Grossman, E. Buckner, C. Cook, K. Bosley, E. Tobin, & J. Barber. Genes vs. environment: Larval body size plasticity may lead to carryover effects in Dungeness crab
11:00-11:15		Joshua Carloni , R. Wahle, D. Fields, P. Geoghegan, & B. Shank. Diverging phenology of lobster larvae and their zooplankton prey in a warming ocean
11:15-11:30		Kirstin Meyer-Kaiser , M.J. Bennett, M. Andres, S. Davies, & C. Grupstra. Early life-history barriers to connectivity for thermally-tolerant corals in Palau
11:30-11:45		Lauren S. Mullineaux , R. Zúñiga Mouret, S.W. Mills, S. Sorell, A.M. Achberger, J.B. Sylvan, A.P. Michel. Pioneer species arriving after a 2025 seafloor eruption near 9°N on the East Pacific Rise
11:45-12:00		Daphne Munroe , X. Guo, & P. Coyne. Tracking larval connectivity using genetic tools
12:00-12:15		Alex Ascher & C. Tepolt. Do larvae play a role in adapting to change?
12:15-12:30		Galento Galvez* , C. D'Aloia, N. McCord, & J. Snaddon. Benthic lecithotrophic development restricts connectivity in the tropical sea cucumber <i>Holothuria floridana</i>
12:30-13:30		<i>Lunch break</i>
	Afternoon free. MBL & WHOI Village Campus tours will be available, with sign-ups during registration (15-person limit per tour). MBL tour at 14:00-15:00, WHOI tours at 14:00-15:15 and 15:30-16:45	

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14th International Larval Biology Symposium presentation schedule -- Thursday 1 October 2026

Time	Location	Session	
8:30-9:30	MBL Speck	Plenary	Mary A. Sewell & M. Byrne. Maternal investment in echinoderms, with a focus on lipids
9:30-10:00		Coffee break	
10:00-10:15	MBL Speck	Larval transport, dispersal and population connectivity I Chairs: Nathalie Reyns & Dan Holstein	Daniel Holstein, H. Craft, O. S. Adeagbo, P. Gravinese, & Z. G. Xue. Flow, function, and fate: Larval behavior and connectivity in a changing ocean
10:15-10:30			Hannah Craft*, V. Kossmann, C. McIntyre, T. Bert, O. Adeagbo, G. Xue, P. M. Gravinese, & D. Holstein. Environmentally mediated behavior influences the recruitment of simulated stone crab larvae
10:30-10:45			James Churchill, J. Pineda, & J. Weinstock, D. Wetthey. Heterogeneous regional distribution of the barnacle <i>Chthamalus fragilis</i> across a biogeographic barrier: relation to circulation and water temperature
10:45-11:00			Cassidy D'Aloia & T. Naaykens. Limited dispersal of clones and sexually produced larvae in two co-distributed Caribbean sponges
11:00-11:15			Adam Alfasso*, S. Brooke, & S. Morey. Seasonal patterns of larval distribution and connectivity dynamics for <i>Crassostrea virginica</i> in Apalachicola Bay, Florida
11:15-11:30			Mark Morales, J. W. White, R. S. Smith, K. N. Tedford, P. L. Wiberg, B. Zhu, & M. C. N. Castorani. Temporal variation in source-sink dynamics of eastern oysters at the Virginia Coast Reserve
11:30-11:45			Jane B. Weinstock, J. Pineda, C. DiBacco, S. Genovese, V. Starczak & K. Krumhansl. Latitudinal variation in the seasonal cycle mediates population differences in barnacle reproduction phenology and connectivity
11:45-12:00			Jonathan Puritz & A. Zyck. Environmental selection across life-history stages and genomic architectures drives adaptive divergence in oyster populations
12:00-13:30		Lunch break	
13:30-13:45	MBL Speck	Larval transport, dispersal and population connectivity II Chairs: Nathalie Reyns & Dan Holstein	Carolyn Tepolt, J. Weinstock, & J. Pineda. Genomic data illuminates a disconnect between dispersal and realized connectivity across a major biogeographic boundary in the acorn barnacle <i>Semibalanus balanoides</i>
13:45-14:00			Nathalie Reyns & J. Pineda. Does nearshore thermal stratification mediate coupling between larval supply and settlement?
14:00-14:15			Jared Weems, F. Mueter, A. Pinchuk, & D. Kimmel. Late summer distribution and abundance of larval snow crab (<i>Chionoecetes opilio</i>) and pelagic crab communities in the U.S. Pacific Arctic Gateway
14:15-14:30			Kharis Schrage, M. Kowalska, & K. Meyer-Kaiser. Assessing spatiotemporal patchiness in meroplanktonic assemblages in two high-Arctic fjords
14:30-14:45			Susan Mills, S. Beaulieu, R. Zúñiga Mouret, S.M. Arellano, C. Vetriani, & L. Mullineaux. Did the established fauna know? Abundance of hydrothermal vent larvae peaked prior to two cycles of volcanic eruptions
14:45-15:00			Simon Cragg, J.R. Shipway, N. Treneman, & L. Borges. Life history strategies of marine wood boring invertebrates are shaped by an energy rich but dispersed and transient niche
15:00-15:30		Coffee break	
15:30-16:30	MBL Speck	Plenary	Jesús Pineda. Larval transport and dispersal: observations, predictions, and small-scale, short-term processes
16:30-17:00		Closing remarks & Student Presentation Awards	
18:30-22:00	Captain Kidd	Closing Banquet	

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14th International Larval Biology Symposium presentation schedule -- Posters

Session	#	Poster
Larval Legacy	1	Madelena Meeker* , L. Anthony, T. Jordan, A. Dang, & S. Brooke. Discovery of brooding in reef-forming deep-sea coral <i>Enalllopsammia profunda</i> off the southeastern U.S.
	2	Nadia Stoker , C.M. Young, C.Q. Plowman, T. Mace, & G. von Dassow. Born in the Abyss Outreach and Education
	3	Elsa Vázquez , A.S. Benítez, J.M.F. Babarro, C. Ancosmede, L.G. Peteiro, E. Pérez, E. Silva, P. Jimenez, & D. Ribadomar. Implications of parental size and specific environmental scenarios on the reproduction and larval development of <i>Mytilus galloprovincialis</i>
	4	Isidro Bosch & W. Jaekle. Life history consequences of asexual reproduction by sea star larvae (Echinodermata: Asteroidea)
	5	Nicole Nakata & R. Emlet. Brittle stars in the plankton: Descriptions of larvae and developing juveniles of the northeastern Pacific Ocean, with a key for their identification
Stress	6	Nicole Nakata , M. Schoenfeld, C. Moody, & J.B. Schram. Can you take the heat? Dropping embryos, larval death, and shooting blanks in response to heat shock in the spot shrimp (<i>Pandalus platyceros</i>), a harvested Alaskan species
	7	Emma Lewis* & A. Moran. Larval thermal tolerance and sensitivity of the intertidal gastropod <i>Nucella ostrina</i>
	8	Chloe Root* , H. Glon, A. Harrington, & M. Staudinger. Interannual variation in larval lobster phenology and environmental drivers in the Gulf of Maine
Settlement, Metamorphosis, Recruitment	9	Hails Tanaka* & D. Munroe. Settlement of the Atlantic surfclam (<i>Spisula solidissima</i>) in New Jersey state waters from the 1970s through the 2010s
	10	Liam Abrams , N.D. Fogarty, H.R. Koch, C. Leto, K.L. O'Neil, K. Martin, T.A. Pratt, L.P. Rich, S.F. Tanguay, M. Van Horn, M. Villoch Diaz Maurino, R.F. Whitehead, S.D. Williams, & J. Figueiredo. Species-specific optimization of light spectra for post-settlement grow-out of Caribbean reef-building corals
	11	Elizaldy Acebu Maboloc & J.K.H. Fang. Larval biology and culture of marine invertebrates: insights for conservation and aquaculture in Hong Kong
Advances	12	Andrew Paley* & S.M. Arellano. To Sequence or Sort? Comparing eDNA Metabarcoding with Traditional Sampling Methods for the Detection of Hydrothermal Vent Larvae
	13	Katrin Marancik , D. Richardson, & S. Glancy. The state of larval Scombridae identification in the North Atlantic
	14	Ninon Martinez* , C. Mitchell, N. Laidlaw, K. Scavo Lord, C. D'Aloia, & J.R. Finnerty. Corals Across Habitats: Understanding coral survival in non-reef habitats in Turneffe Atoll Marine Reserve, Belize
	15	Jim Welch , K. Reinsel, E. Waddell, M. Farmer, S. Rilum, S. Lohmann, M. Tomb, N. Yoong, C. Andrade, A. Cushman, & R.B. Forward, Jr. There's no place like home: effects of adult crab, salinity, and habitat cues on molting of fiddler crab megalopae
	16	Amanda Jacobsen , H. Walsh, & K. Oliveira. Exploring the energetic value of Northeast U.S. shelf zooplankton: preservation effects and the roles of community composition and environment
Dispersal	17	Olivia Robson , S.J. Geist, S. McAskill, & D. Portnoy. Ichthyoplanktonic vertical distribution and ingress in the Aransas Pass Inlet System
	18	Lilian Engel , A. Keller, B. Makhlof, E. Grason, T. Theriault, L. Premathilake, T. Khangonkar, & L. Garavelli. Using real-world data to inform larval dispersal modelling for invasive species management
	19	Hiromi Watanabe , S. Hattori, & T. Nagaoka. Variation in the dispersal range of deep-sea hydrothermal vent barnacle larvae – possible ecological shift in late larval stages
	20	William Lush , J.M. Pringle, & J.E. Byers. More adept at depth? Larval vertical positioning interacts with cross-shelf circulation to shape biogeographic patterns along the West Coast of North America
	21	Sean Devine* & H. Fuchs. Model effects of phenologic shift in spawning on larval dispersal of them mud snail <i>Ilyanassa trivittata</i>
	22	Krystyn Forbes* , B. Penney, K. Layton, & C. D'Aloia. Population structure and genetic diversity of the European sea lemon (<i>Archidoris pseudoargus</i>), an invader in the northwest Atlantic
Ecophysiology	23	Katerina Agunovich & E. Vortsepneva. Behind the capsule wall: proboscis development in lecithotrophic larvae of <i>Admete viridula</i> (Gastropoda: Neogastropoda) from the White Sea
	24	Olga Taimanova , E. Ivashkin, M. Aparina, & E. Temereva. Hybridization chain reaction <i>in situ</i> revealed novel data on neurogenesis in phoronid <i>Phoronopsis harmeri</i>
	25	Lorelei Cunningham* & D. Pace. Constructing a dynamic energy budget model for the larvae of the Pacific Sand Dollar
	26	Troy Stern* & D. Pace. Assessing the efficacy and biochemical underpinnings of reversible phenotypic plasticity in larvae of the Pacific sand dollar, <i>Dendraster excentricus</i>
	27	Karin Inoue , S. Abalde, T. Yahagi, B. Brenzinger, A.M. de Frias Martins, & Y. Kano. Evolutionary transitions in modes of larval development associated with terrestrial invasions in the gastropod family Ellobiidae
Population Dynamics	28	Ian Thompson* , J. Runge, C. Thompson, & M.D. Staudinger. Changes in Gulf of Maine ichthyoplankton community composition and abundance between 2009-2014 and 2019-2022
	29	Jared Weems , M. Korte, E. Strand, M. Thomas, R. Shepard, W.C. Long, & S. Goodman. Eat, Prey, Land: early life ontogeny of age-0 Bristol Bay red king crab (<i>Paralithodes camtschaticus</i>) from pelagic to benthic habitats

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