

## Publications:

### 2013

- **Thonhauser KT\*, Gutnick T\*, Kral K, Burghardt GM & Kuba MJ.** Social Learning in fresh water stingrays. *Animal Cognition*. Mar 26. [Epub ahead of print]

### 2012

- **Oshinga R, Schutter M, Wijgerde T, ... Kuba M, et al.** The CORALZOO project: a synopsis of four years of public aquarium science. *Journal of the Marine Biological Association of the United Kingdom*. 92, 753-768

### 2011

- **Gutnick T, Byrne RA, Hochner B & Kuba MJ.** Octopus vulgaris Uses Visual Information to Determine the Location of Its Arm. *Current Biology*. 21, 460-462
- **Meisel DV, Byrne RA, Mather JA & Kuba MJ.** Behavioral sleep in *Octopus vulgaris*. *Vie et Milieu*. 61, 185-190
- **Li T, Nakajima K, Kuba M, Gutnick T, Hochner B & Pfeifer R.** From the octopus to soft robots control: an octopus inspired behavioral control architecture for soft robots. *Vie et Milieu*. 61 211-217
- **Weissenbacher A, Gutnick T, Thonhauser KE, Kuba MJ.** Hit the Bottom, The Shape of Enrichment, 71-83

### 2010

- **Kuba MJ, Byrne RA & Burghardt GM.** Problem solving and tool use in fresh water stingrays *Potamotrygon castexi*. *Animal Cognition*. 13, 507-513

### 2008

- **Kuba M.J., Byrne R.A. & Burghardt G.M.** 2008 Exploring to Avoid Boredom. *The Shape of Enrichment*, 19-21.

### 2006

- **Kuba M.J., Byrne R.A., Meisel D.V. & Mather J.A.** 2006 Exploration and Habituation in Intact Free Moving *Octopus vulgaris*. *International Journal of Comparative Psychology*. 19, 426-438.
- **Kuba MJ, Byrne RA Meisel DV & Mather JA.** 2006 When do octopuses play? The effect of repeated testing, age and food

deprivation on object play in *Octopus vulgaris*. *J Comp Psychol.* 120(3), 184-190.

- **Kuba MJ, Zullo L, Byrne RA & Hochner B.** 2006 Visual Habituation in the common octopus (*Octopus vulgaris*) *Geologica – Acta Universitas Carolinae.* 49: 147-150
- **Byrne RA, Kuba MJ, Meisel DV, Griebel U & Mather JA.** 2006 Octopus arm choice is strongly influenced by eye use. *Behav Brain Res.* 172(2), 195-201.
- **Byrne RA, Kuba MJ, Meisel DV, Griebel U & Mather JA.** 2006 Does *Octopus vulgaris* have preferred arms? *J Comp Psychol.* 120(3), 198-204
- **Meisel DV, Byrne RA, Kuba MJ, Mather JA Ploberger W & Reschenhofer E.** 2006 Comparing the activity patterns of two Mediterranean cephalopod species. *J Comp Psychol.* 120(3), 191-197

#### 2005

- **Kuba MJ, Zullo L & Hochner B.** 2005 Non-associative learning in *Octopus vulgaris*. *Proceedings of the 2<sup>nd</sup> International Symposium Coleoid Cephalopods Through Time.* 89-91

#### 2004

- **Byrne RA, Kuba MJ & Meisel DV.** 2004 Lateralized eye use in *Octopus vulgaris* shows antisymmetrical distribution. *Animal Behavior,* 68, 1107-1114

#### 2003

- **Kuba MJ, Meisel DV, Byrne RA & Griebel U.** 2003 Looking at the basics of play in octopus. In: *Coleoid Cephalopods through time.* Eds. Warkne, Keupp & Boletzky, *Berliner Paläontologische Abhandlungen,* 3, 163-169
- **Meisel DV, Byrne RA, Kuba M & Griebel U.** 2003 Circadian rhythms in *Octopus vulgaris*. In: *Coleoid Cephalopods through time.* Eds. Warkne, Keupp & Boletzky, *Berliner Paläontologische Abhandlungen,* 3, 171-177.

#### 2002

- **Byrne RA, Kuba MJ & Griebel U.** 2002 Lateral asymmetry of eye use in *Octopus vulgaris*. *Animal Behaviour* 64(3), 461-468

#### In press:

- **Mather JA & Kuba MJ.** Cephalopod specialties. *Canadian Journal of Zoology*
- **Meisel DV\*, Kuba MJ\*, Byrne RA\* & Mather JA.** The effect of predatory presence on the activity of *Octopus vulgaris*. *Journal of Experimental Marine Biology*

- **Tramacere F, Beccai L, Kuba M, Gozzi A, Bifone A & Mazzolai B.** The morphology and adhesion mechanism of *Octopus vulgaris* suckers. PLOS ONE