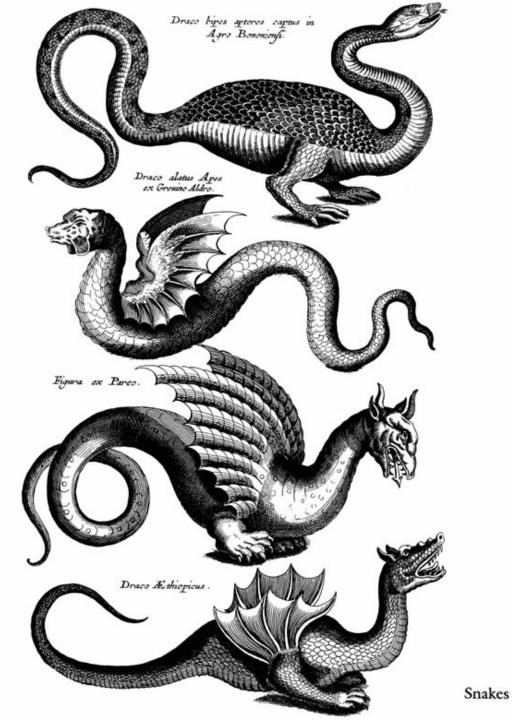
# Shaped by the past, creating the future **Rosemary Chalmers** Durham Castle Conference 29 & 30 July 2019



What if birds returned to the sea?

# Marine birds of the future



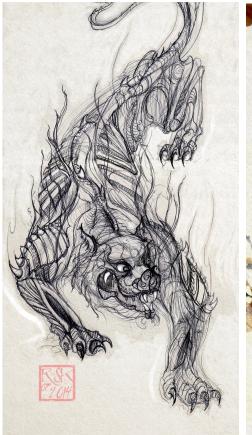


# Mythology-based creature design

Image: The Dragon of Bologna and other dragons by Ulisse Aldrovandi (1657), included in 1300 Real and fanciful animals: From Seventeenth-Century Engravings (Dover, 1998).

Available at: https://www.doverpublications.com/zb/samples/402371/art9b.htm

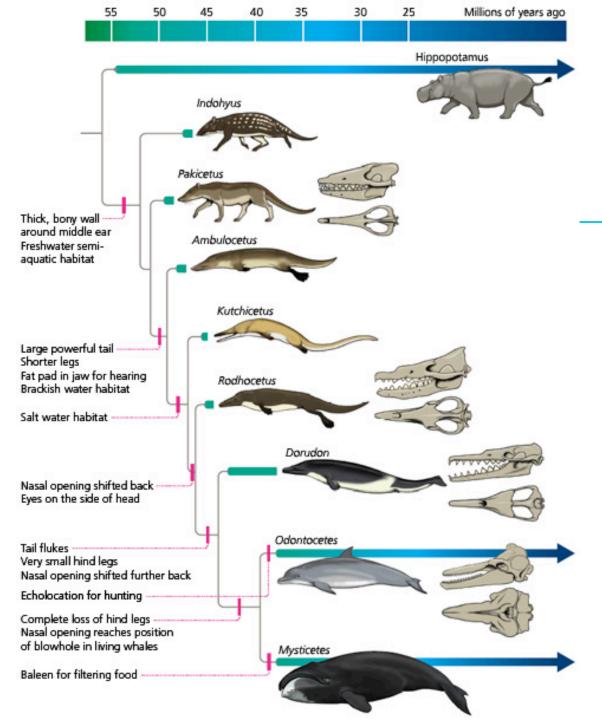












# Natural History-based Creature Design

Image: Whale phylogeny from The Tangled Bank (Timmer, 2013).

Available at: https://evolution.berkeley.edu/evolibrary/article/evograms\_03



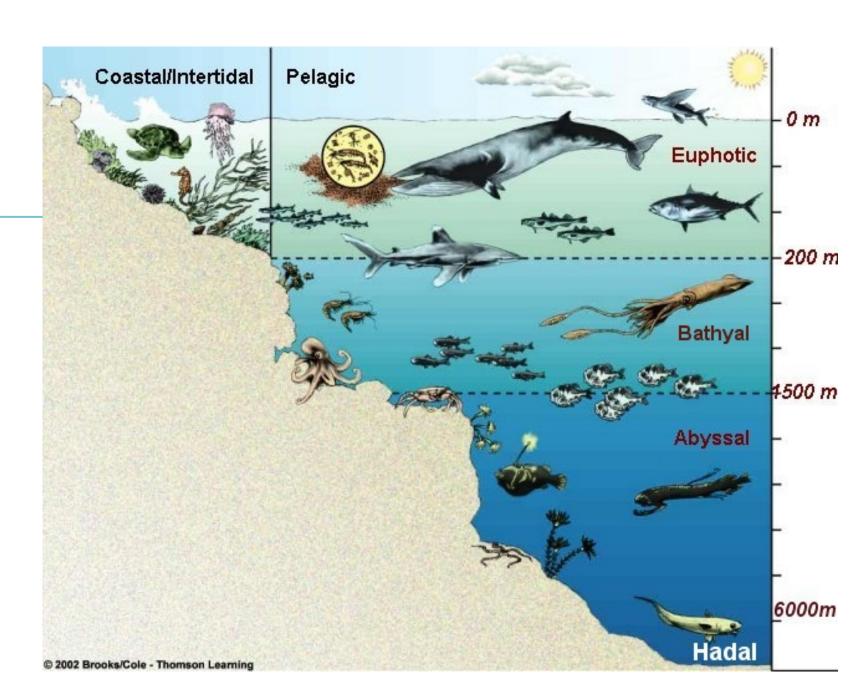


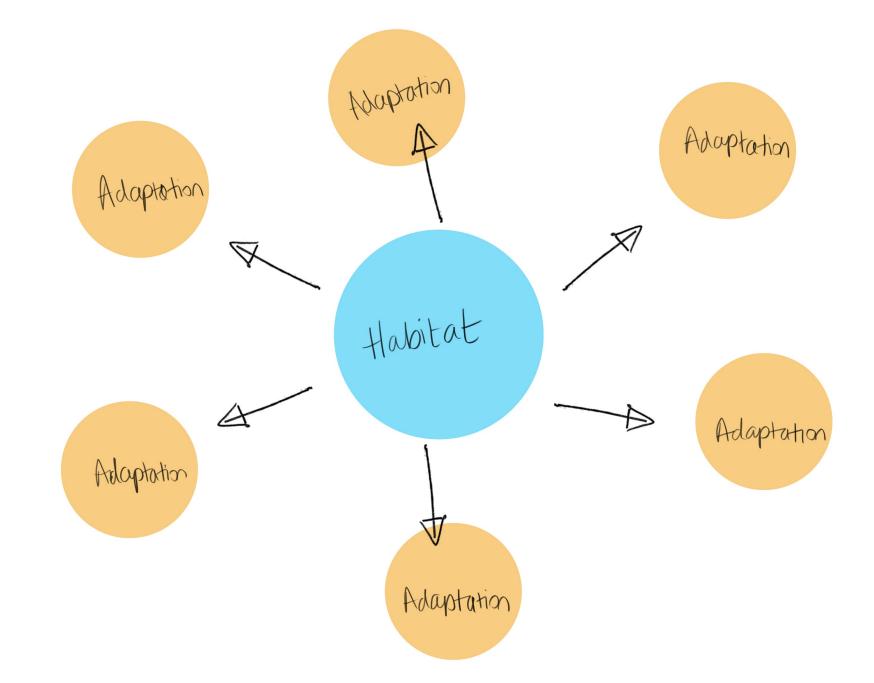


### Habitat-based Creature Design

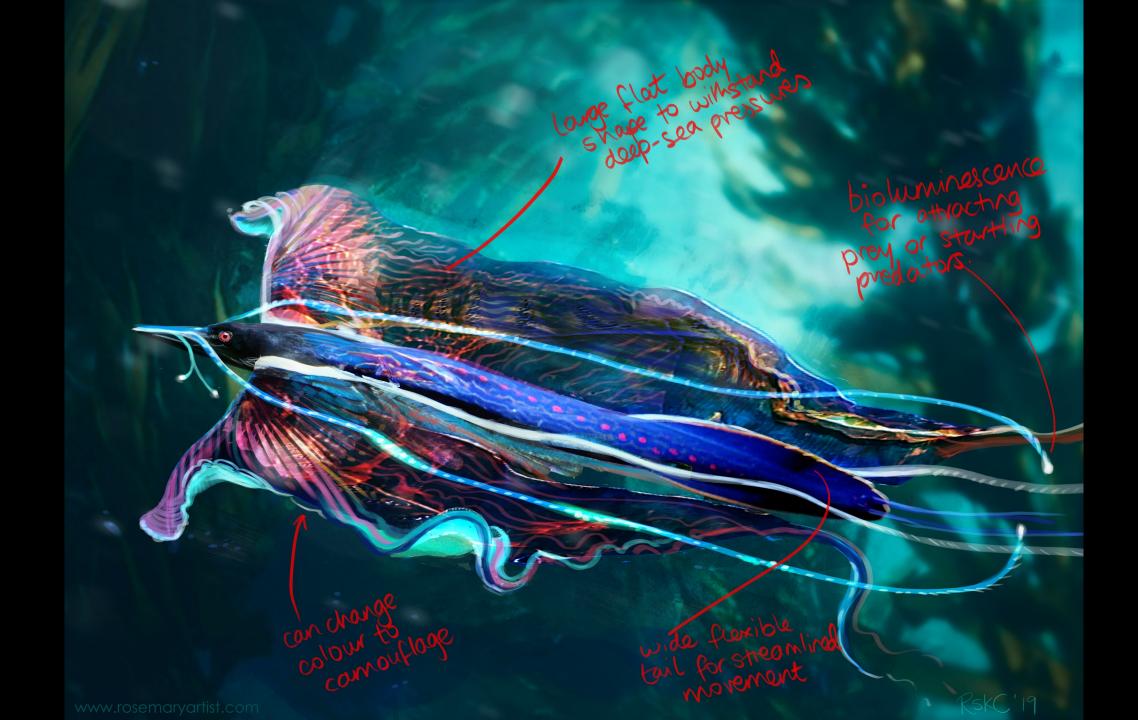
Image: Ocean zones by Thomas Learning (Brooks/Cole, 2002).

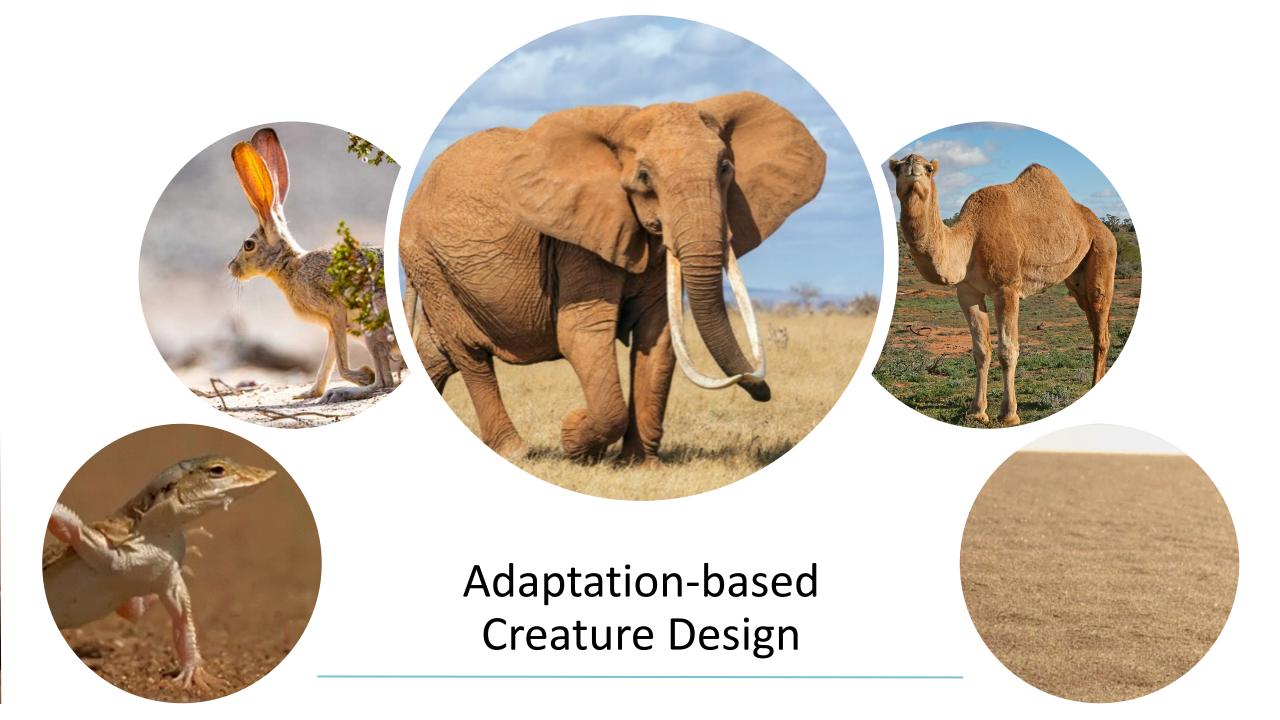
Available at: http://parnellschool16.blogspot.com/2012/03/ocean-layers.html









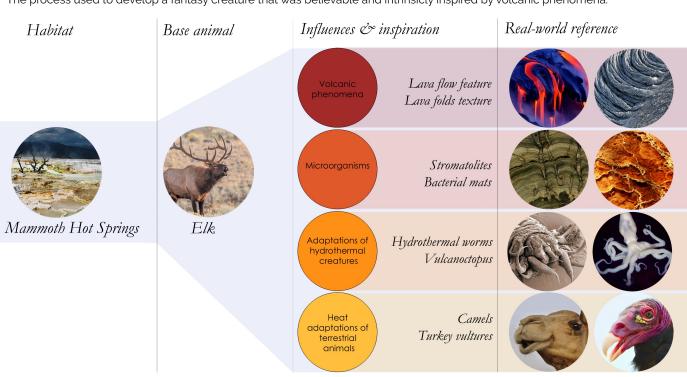




#### SciArt Center Collaborative Residency: The Bridge

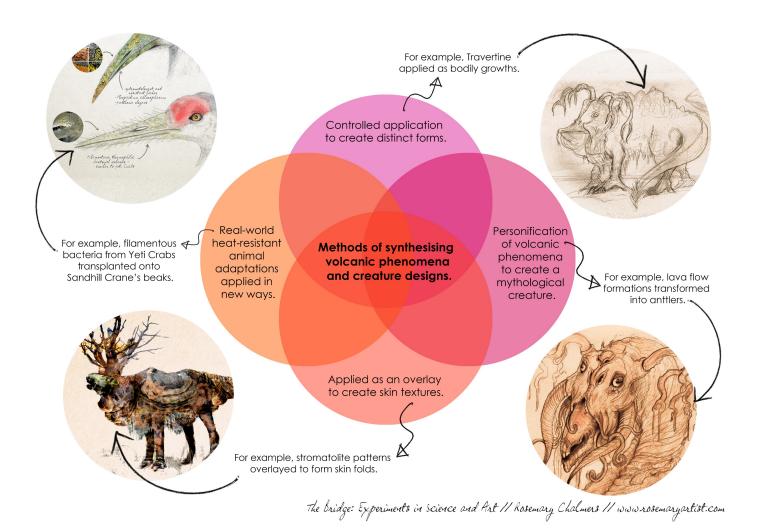
SciArt Creature Design formula

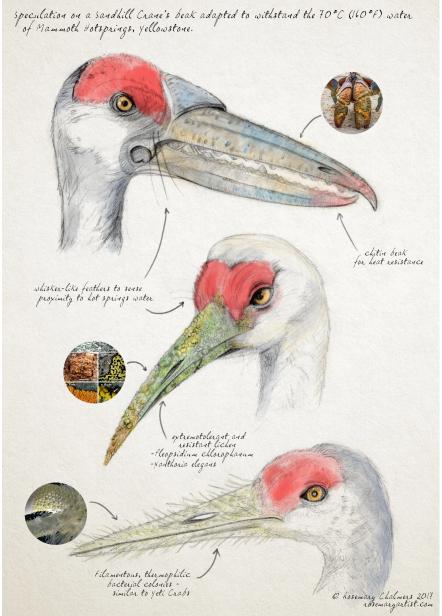
The process used to develop a fantasy creature that was believable and intrinsicly inspired by volcanic phenomena.



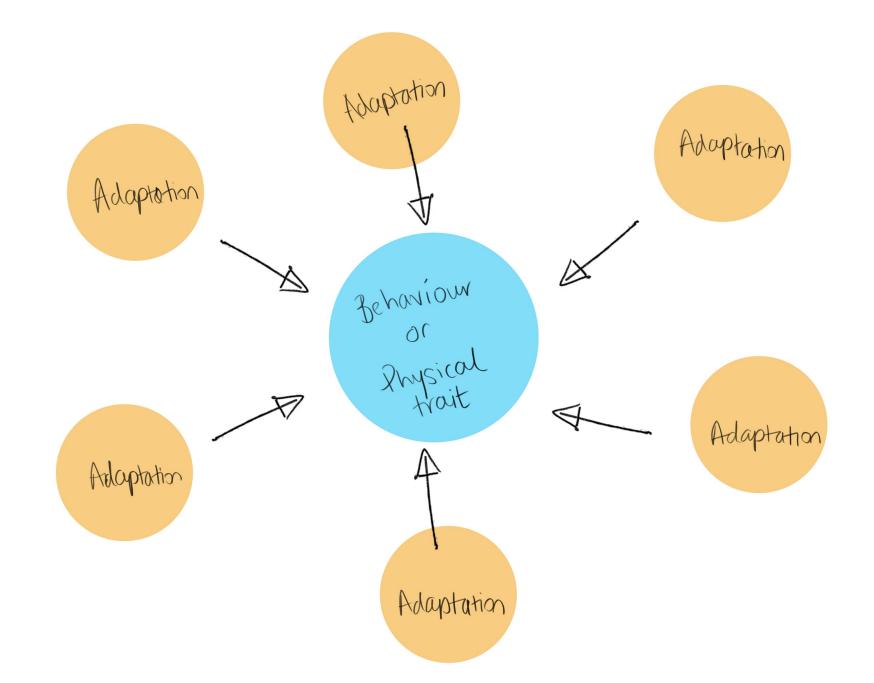
Rosemary Chalmers // Jill Shipman

https://www.sciartcenter.org/group-1-rosemary--jill

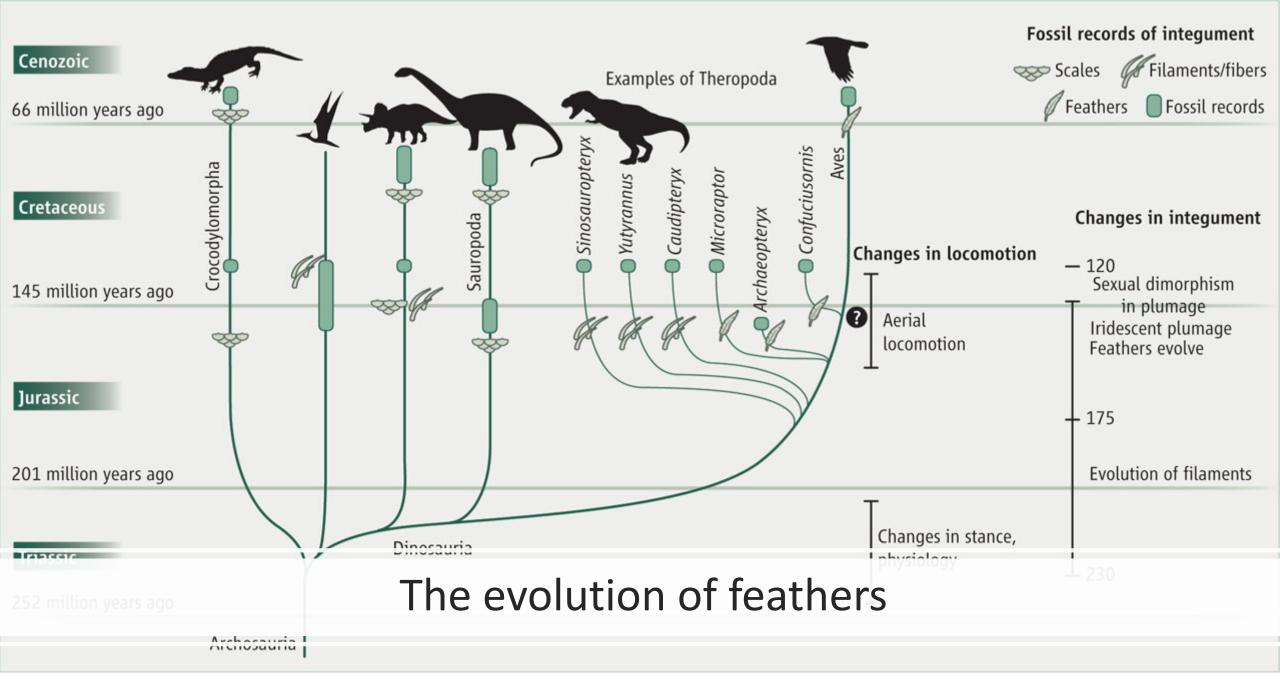












### Sundews (Drosera)

#### **Tentacle (botanical)**



#### Glandular hairs



Image: South African King Sundew by Fefferman, D (2017)

Available at: https://carnivorousplantresource.com/the-plants/sundews/south-african-king-sundew/

Image: Capensis Closeup by "incidencematrix" (2014). Used under licence: CC BY 2.0. No changes made. Available at: https://www.flickr.com/photos/incidencematrix/12283174944/

## Symbioses

#### 'Pom-pom' crabs and anemones



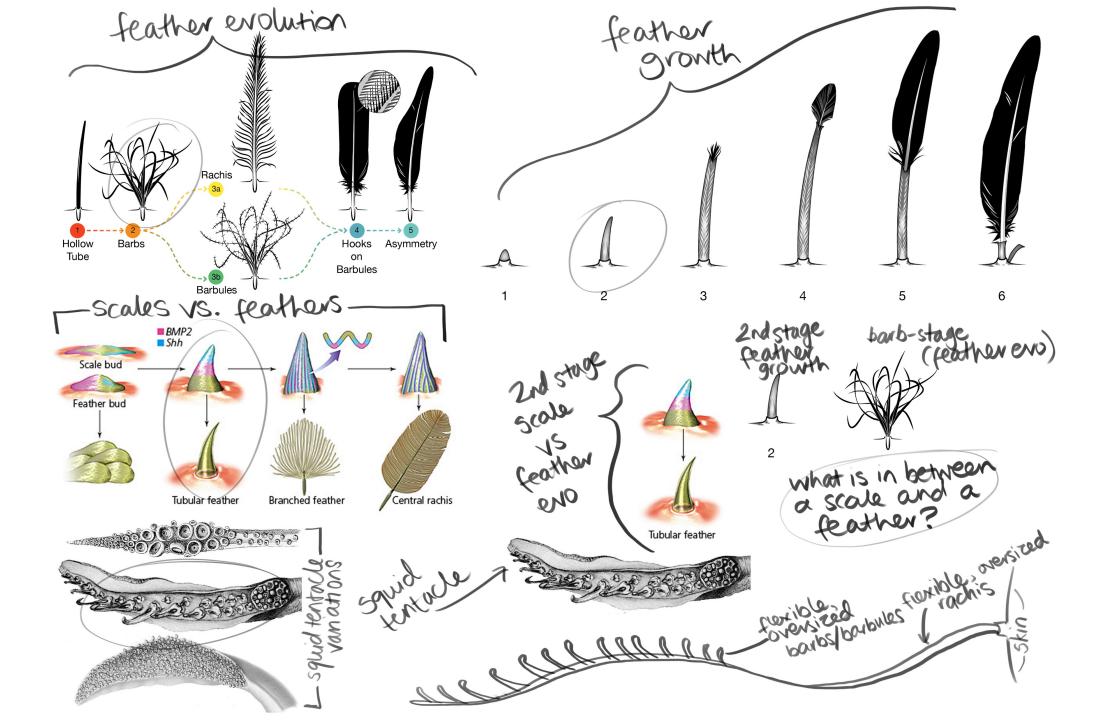
'Yeti' crabs and filamentous bacteria



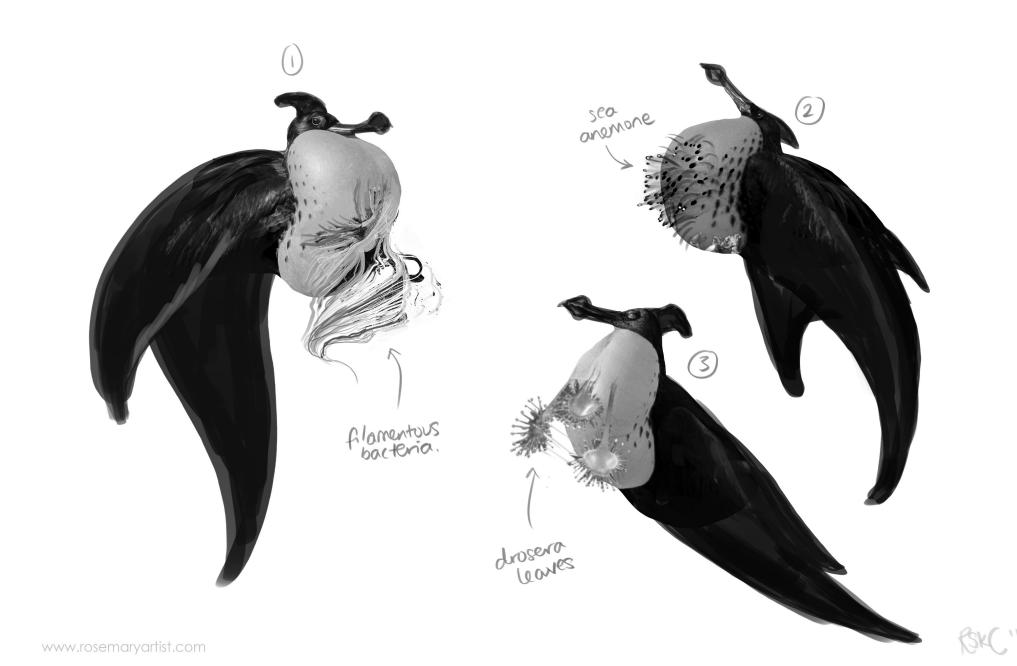
Image: Lybia leptochelis by Schnytzer, Y. (2017)

Available at: https://news.nationalgeographic.com/2017/01/crabs-anemones-pom-pom-clones-fight/

Image: Kiwa hirsuta by Ifremer / A. Fifis (2005)
Available at: https://www.mbari.org/discovery-of-yeti-crab/









### Rosemary Chalmers

Creature Design: ex femina

#### With Terryl Whitlatch, Brynn Metheney, Kate Pfeilschiefter and Iris Compiet

Rosemary Chalmers is Course Leader in Comic and Concept Art at Leeds Arts University. Her research explores speculative biology, world-building and believability in creature design with the aim to instill curiosity and concern for biodiversity. She is also interested in the visibility of women in the field of creature design.

Creature Design: ex femina draws together Chalmers' own research-practice alongside internationally renowned concept artists, Terryl Whitlatch, Brynn Metheney, Kate Pfeilschiefter and Iris Compiet.

The exhibition proposes that Creature Design is a distinct discipline, drawing on science, art and design. ex femina inquiries

#### Preview:

5-7pm Wednesday 28 August

#### Light Night:

Thursday 10 October

into women's experience, understanding and positioning of this practice.



rosemaryartist.com @rosemaryconceptartist

Image: Rosemary Chalmers, Finnish long-tailed magpie-jay: Pica infaustus ornithomimus, 2018. Graphite on paper. Image courtesy of the artist.