

Evolving Morphology

200 Years of Goethe's Morphological Notebooks

200 Jahre Goethes Morphologische Hefte

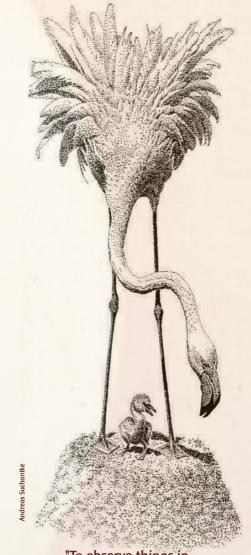
4 - 8 October 2017

Evolving Morphology 200 Years of Goethe's Morphological Notebooks

"Zur Morphologie"

In the context of evolutionary developmental biology, epigenetics and phylogenetic research, where development and generative processes of organismal form are considered, the Goethean motto; Form (μορφή) as Formation (Bildung) and Transformation (*Umbildung*), provides morphology with a new meaning. The seminal research program that Goethe conceived under the rubric of Morphology does not include development; rather it is the science of development itself. It has become a keyword among contemporary biologists proclaiming its renaissance in our understanding of evolution. Consequently, it is also not surprising that Goethe has been cited by many plant developmental geneticists, due to a number of findings that could possibly, by way of molecular models and experimental tests, corroborate the foreseen ideas in his essay "An Attempt to Explain the Metamorphosis of Plants" published in 1790.

Moreover, the Goethean concept of Bildung carries in its core an educational aspect, which invites the morphologist to engage, develop and evolve her/his cognitive capacities in an intentional kind of process one could call *Participation*. Goethe himself proposed in one of his Maxims and Reflections, a Delicate Empiricism connecting with the conceptual content of a phenomenon. Thus, morphology is a participatory science, in so far as it provides the possibility of recognizing the intrinsic correlation between mind and form, and it is simultaneously a Morphology of Human Knowledge.



"To observe things in their coming-into-being is the best way of explaining them." Pierre Jean François Turpin (1775-1840)

Therefore, besides celebrating the 200 years of the publication of Goethe's morphological notebooks, "On Natural Science in General, Morphology in Particular", the aim of the conference is firstly to trace back Goethe's inceptions of the original of seeing by revisiting the conceptual and empirical foundations of dynamic way his morphology; secondly, to prospect for its place and role in contemporary research and education in biology; and finally, to point out its ethical implications in questions of environmental and ecological public awareness.

Johannes Kühl, João Felipe Toni, Ruth Richter & the Team of the Natural Science Section

Schedule

Scriedule													
Sun. Oct. 8	Keynotes: Science of Morphology Susanna Kümmell Craig Holdrege		World Café Summary Notes & Closure Johannes Wirz										
Sat. Oct. 7	Keynotes: Science of Morphology Mark Riegner Rolf Rutishauser		Panel Discussion: Morphology in Modern Science Mark Riegner, Rolf Rutishauser, Louis Ronse De Craene, Malte Ebach, Johannes Wirz Hosted by Matthias Rang		Nature Observation as an Artistic Activity	Symposium		Research Presentatíons		Artistic Performance: Eurythmy			
Frí. Oct. 6	Keynotes: Form as Process Peer Schilperoord Rolf Sattler	Coffee Break	Panel Discussion: Goethes Anschauung Peer Schilperoord, Rolf Sattler, Jan Albert Rispens, Craig Holdrege Hosted by Ruth Richter	Lunch Break	Nature Observation as an Artistic Activity	Symposium	Coffee Break	Research Presentations	Dinner Break	Interactive Eurythmy with participants			
Thu. Oct. 5	Keynotes: Natural History of Morphology João Felipe Toni Malte Ebach		Panel Discussion: Natural History of Morphology João Felipe Toni, Malte Ebach, Ruth Richter, Wolfgang Schad Hosted by Renatus Derbidge		Nature Observation as an Artistic Activity	Research Presentations		Keynotes: Morphology of Human Knowledge Michaela Glöckler Johannes Wirz		Interactive Eurythmy with participants			
Wed. Oct. 4	Opening & Introduction Johannes Kühl Ruth Richter World Café									Openíng Lecture: Wolfgang Schad			
Time	09:00	10:30 11:15	11:15	12:30 14:00	14:00	15:00	16:30 17:00	17:00	18:30 20:00	20:00			

General Information

Evolving Morphology

Autumn Conference of the Natural Science Section

at the Goetheanum from Wednesday, 4 to Sunday, 8 October 2017

Booking closes: Wednesday, 20 September 2017

Conference fees: regular price: CHF 300 with meals: CHF 475

concessions': CHF 210 with meals: CHF 385

Conference meals

Conference meals (vegetarian with dessert) include 3x lunch and 4x evening meal at CHF 175 in total. Breakfast (4x) can be booked separately at CHF 60. The other meals cannot be booked separately. We regret that food intolerances cannot be catered for.

Group accommodation

(Booking possibility on the booking form, further information: www.goetheanum.org/6644.html)
Accommodation with mattresses on the floor: 4 nights from 4 to 8 October 2017 for CHF 40 Please bring a sleeping bag, a pillow and a sheet; limited spaces.

Parking permit

For the period of the conference: CHF 25 (not right next to the Goetheanum building).

If you have a disability, please display your disability badge in your car.

Methods of payment/confirmation

On receipt of a group application, the respective institution will receive the account for the group. Subsequent bookings can only be applied for and paid on an individual basis.

Credit cards (all countries): The full amount will be charged to your credit card as soon as your booking has been processed. You will receive postal or email confirmation of your booking and payment.

Invoice Switzerland: Confirmation of booking and an invoice will be sent to you once your booking has been processed. Please note that we only send out invoices up until 10 days before the beginning of an event. After that, payment is only posby crsible edit card or on arrival.

Invoice Eurozone: Confirmation of booking and an invoice will be sent to you once your booking has been processed (Euro account). Please note that we only send out invoices up until 14 days before the beginning of an event. After that, payment is only possible by credit card or on arrival.

Other countries: Once your booking has been processed you will receive a confirmation by post or email. The amount due will either be charged to your credit card or you can pay on arrival. Bank transfers are not possible.

Please note that the conference fee must be paid before the conference starts.

Conference tickets: Tickets can be collected at the Reception until half an hour before the conference starts, also if you pay on arrival. We accept cash (Euro and CHF), VISA, MasterCard, ec-direct and Postcard-Schweiz.

Cancellation: Bookings may be cancelled free of charge up to 14 days prior to the beginning of the conference (20.9.2017, date of posting). After that, 50% of the conference fee will be charged. Meals, breakfast, parking permit and group accommodation may be cancelled free of charge up to 1 day prior to the begin of the conference (3.10.2017). Cancellation on the day when the conference begins or failure to attend are subject to a 100% invoice total. Substitutes will be accepted at no extra cost.

Cancellation insurance: Subject to a payment of 5% of total costs (CHF 10 minimum) full cancellation insurance can be taken out to cover illness (including dependent children and partner), job loss and force majeure. Please ask for our terms of insurance or visit www.goetheanum.org/6053.html.

Data processing: All data will be electronically recorded and filed.

Goetheanum Guest Houses and Accommodation

Haus Friedwart from CHF 75, about 5 min, walk to the Goetheanum

phone +41 61 706 42 82, www.friedwart.ch

Begegnungszentrum from CHF 30, about 10 min. walk to the Goetheanum

phone +41 61 706 42 82, friedwart@goetheanum.ch

Accommodation bureau rooms from CHF 55

kontakt@rooms-dornach.ch; www.rooms-dornach.ch

Prices are per person per night. Prices for accommodation cannot be guaranteed.

You can find further accommodations on our website: www.goetheanum.org/4283.html

Booking Form

7HT

Evolving Morphology

Autumn Conference of the Natural Science Section

at the Goetheanum from Wednesday, 4 to Sunday, 8 October 2017

Booking closes: Wednesday, 20 September 2017

Please complete the booking form and mail, fax or email to:

Goetheanum Empfang, Postfach, CH-4143 Dornach

Fax + 41 61 706 4446, Tel. + 41 61 706 4444 email <u>tickets@goetheanum.org</u>

Please fill out in block	capítals!								
if so, name of institution	□ private address □ address of institution								
Street, n°									
Town Postcode									
Country									
Phone/fax									
Email									
Some lectures will be he	eld in Englist	n, some in Germ	ian.						
I need translation into		☐ English	☐ German						
Conference ticket with	out meals*								
☐ CHF 300 (regular pri	ice)	☐ CHF 210 (co	ncessions¹)						
Conference ticket with ☐ CHF 475 (regular price)	•	nch, 4x evening	· · · · · · · · · · · · · · · · · · ·						
Breakfast (4x)		☐ CHF 60							
Group accommodation (Mattresses on the floor		,	ights from 4 to 8 C g as well as a pillo	October 2017) w and a sheet, limited place	es)				
Registration for the Nat	ure Observat	ion: At the info	rmation desk at the	e beginning o <mark>f the conferenc</mark>	e.				
Parking at the Goethea	ınum	☐ Parking peri	mít: CHF 25						
Insurance ☐ Cancellation insuran See cancellation condit	`	•	HF 10 minimum)						
Payment methods ☐ on invoice (only Swit	zerland and	Euro zone)							
Credit card (all countrie Card number:	s) /	□ Visa /	☐ MasterCard	Expiry date: /					
☐ 1 would like to receive									
l agree to the terms of p	payment and	l cancellation.							

Place, date, signature

Terms and Conditions will be sent on request or can be accessed online at www.goetheanum.org/6025.html.

^{*}The actual cost of the conference is CHF 480 per person (anticipating 80 participants). The regular conference fee of CHF 300 is made possible by support from the Anthroposophic Society and sponsors.

¹Concessions apply for students, schoolchildren, OAPs, the unemployed, those in training, military or civil service and people with disabilities who receive benefits. Proof of status has to be submitted with your booking form.

Keynote Speakers / Vortragsredner

Malte Ebach, Sydney, Australia, School of Biological, Earth & Environmental Sciences, University of New South Wales.

Michaela Glöckler, Dornach, Switzerland, Medical Section at the Goetheanum.

Susanna Kümmell, Witten, Germany, Institute for Evolutionary Biology and Morphology, University of Witten/Herdecke.

Craig Holdrege, Ghent, USA, The Nature Institute.

Rolf Sattler, Kingston, Canada, Departments of Botany and Biology, McGill University.

Mark Riegner, Prescott, USA, Environmental Studies Department, Prescott College.

Rolf Rutishauser, Zürich, Switzerland, Institute for Systematic and Evolutionary Botany, University of Zürich.

Wolfgang Schad, Witten, Germany, Institute for Evolutionary Biology and Morphology, University of Witten/Herdecke.

Peer Schilperoord, Alvaneu, Switzerland.

João Felipe Toni, Dornach, Switzerland, Research Institute at the Goetheanum and Institute of Botany, University of Basel.

Johannes Wirz, Dornach, Switzerland, Research Institute at the Goetheanum.

Research Presentations / Forschungspräsentationen:

There will be three slots for short presentations. See homepage for details. http://www.forschungsinstitut.ch/en/conferences-colloquia/evolving-morphology-17/contributions/

Es wird drei Einheiten geben, in denen kurze Präsentationen von aktuellen Forschungsresultaten dargestellt werden können. Details hierzu auf der Homepage: http://www.forschungsinstitut.ch/veranstaltungen/evolving-morphology-17/kurzbeitraege/

Symposium:

This feature is an open space for people to meet, make connections, share ideas in smaller groups regarding certain topics and also for existing groups to present their research topic and open for potential participants.

Dieses Format bietet Raum für Begegnung und Austausch, sodass sich neue Interessensgruppen bilden und bereits bestehende für potentiell Interessierte öffnen können.