

DYNAMIC EMBRYOLOGY AND MORPHOLOGY - Where Biology meets Biography
With Jaap (J.C.) van der Wal, MD PhD, Maastricht, Holland - July 8–11, 2010, Boulder CO, USA,

SCHEDULE	A: 9:00 am – 12.00 am (with breaks) Lectures		Lunch break	B: 2:00 pm – 5:00 pm (with breaks) Lectures / Practical exercises		
Date	Thursday 08/07/2010	Friday 09/07/2010		Saturday 10/07/2010	Sunday 11/07/2010	
A: 3,0 hrs with break	<i>The Speech of the Embryo – Where Biology meets Biography</i> Participator or onlooker? Two realities in one. Two bodies? Understanding or explaining? Goethean phenomenological and holistic science: how to overcome (not to deny) Cartesianism? Mind and body in the womb? What are we actually doing as embryo? Gestures of growth as human behavior and expression. The 'body formative soul' pre-exercising in shapes and Gestalt.	<i>Heaven and Earth? – Conception as primordial Polarity</i> 'Dynamic morphology' of fertilization and conception. Phenomenology of the egg cell principle and the sperm cell principle with a 'functional elevation' between two polarities as a result. The lemniscate principle of 'turning inside out' as the signature of 'The Middle'. 'Passing on life'? Dialogue between spirit and matter: DEbiologicalisation'? Man overcomes reproduction.		<i>Heaven and earth - The human body as equilibrium of polarities</i> Dynamics of embodiment: de-lamination of the body and its cavities. In all body directions the polarity principle comes to appearance: Threefoldness. Mirroring the macrocosm in the microcosm of the bodily organization. A new ordering principle in the body: extremities. Polarities between arms and legs, head and extremities with the trunk in between as the image of freedom. Arms mediate.	<i>Dynamic Embryology - process morphology and 'polarity anatomy'</i> Polarity Thinking: Mirroring and polarity. From One to Two in Three. 'Sperm cellularity' and 'egg cellularity' as Breath of life. Consciousness & vitality as polarities. Cognitive & volitional human. Magnet principle of threefoldness: organs as psychosomatic dimensions. Cycles, rhythms and vibrations. V of symmetry.	A: 3,0 hrs with break
B: 3,0 hrs with break	<i>The gesture of Birth – Being born as Coming from 'Heaven' to 'Earth'</i> The zygote ('fertilized egg') as the undivided human body. The first week with only the dimension of space. Central embryological issues of differentiation and organization. The whole as primacy, not cells or organs. The embryo as centripetal existence: from yond to here. Two prenatal bodies The gesture of individuation and DEvelopment.. Being born as a gesture of dying emancipation. <i>Drawing as phenomenological method: Polarity, opposition and inversion.</i>	<i>From Heaven to Earth – Incarnation and individuation</i> The first orientation of the human body: back to front. Two fundamental ways of interaction with environment. From the 'physical way of being alive' to the 'plant man life'. The crisis of nidation. Second week: a 'vegetative' way of being. Man is not 'there' yet. The incarnation process of the heart: 'coming to here'. From growing out to growing in. Individuation: the 'animal' way of being. <i>Performing movements as phenomenological method: the lemniscate principle.</i>		<i>Between Heaven and Earth – The embryology of freedom</i> Fourth phase: unfolding the human erect posture. De-folding and "opening" of the body position. Trunk & vertebral column as the dimension of the Middle and centering. The conservation of the upright body as essential human quality of equilibrium: "Animals give in where man holds back". Man and animal, a polarity? Man as 'adult embryo' (retardation) and 'first-born' (non-specialization).. <i>Performing movements as phenomenological method: three gestures of being.</i>	<i>Dynamic morphology – psychosomatic body organization</i> The rhythmic system. Blood as organ. Heart vs. peripheral circulation. Arteries & veins as polarities. The heart as head pole and sense organ? As 'man in man'. Nervous system and brain: glia cells versus neurons (,blood'versus ,nerve'). Waking and sleeping. Animal (somatic) and vegetative (autonomic) NS. Brain, spinal cord and PNS as threefoldness. Locomotion, perception. What moves us? <i>Eventually: Metamorphoses in the human skeleton as image of in- and excarnation.</i>	B: 3,0 hrs with break
Jaap van der Wal, MD Ph.D. Senior lecturer Anatomy and Embryology at the University Maastricht, The Netherlands. Specialized in the locomotor system, in particular 'proprioception' with the philosophical issue What moves us? "But my main passion still is and will be human embryology. The two areas of kinesiology and embryology meet each other at the level of movement, motion and form. For me they join in the Dynamic Morphology. Thanks to this phenomenological approach I found a bridge between science and spirituality" (JvdW).				<i>The Speech of the Embryo, A Phenomenology of human embryonic existence, 2003.</i> <i>Human Conception – How to overcome reproduction? In: Energy & Character, Vol. 33, 2004.</i> <i>Embryology and Human Conception, In: Biodynamic Craniosacral Therapy Volume 1, Michael J. Shea, North Atlantic Books, 2007, Chapter 7 and 9, ISBN-10: 1-55643-591-6.</i> <i>Dynamic Morphology and Embryology. In: Foundations of Anthroposophical Medicine – A Training Manual, Floris Books, 2003, ISBN 0-86315-417-4. In English (75 pages).</i>		