



The Logic of the Polar Bears

M.Stueck

The complete Science



The Logic of the Polar Bears

DISCOURS
DE LA METHODE

Pour bien conduire sa raison, & chercher
la verité dans les sciences.

Plus

LA DIOPTRIQUE.

LES METEORES.

ET

LA GEOMETRIE.

Qui font des essais de cete METHODE.



A LEYDE

De l'Imprimerie de JAN MAIRE.

MDCCXXXVII.

Avec Privilège.

Science in the North: The scientific paradigm of the North partly based on the *rationalism* Descartes and Carl Popper (*The Logic of Scientific Discovery*, 1959).

The Main rules of the scientific method of Descartes:

- Accept only as true what is undoubtedly certain.
- Decompose each question into sub-problems and simple questions that can be decided with certainty.
- Build the knowledge of the series after from the answers to these simple questions and ask for all complex issues such a simple structure.
- Check these items to determine whether they constitute a complete order.

(in: Emerich Coreth, Harald Schöndorf: Philosophy of the 17th and 18th Century).

KARL
POPPER

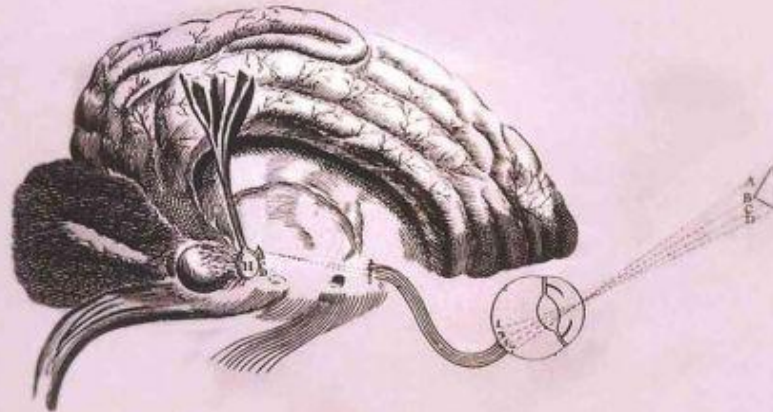
*Logik der
Forschung*



MOHR SIEBECK

'IDIOSYNCRATIC AND ENGAGING'
THE TIMES

DESCARTES' ERROR



**ANTONIO
DAMASIO**

'A TOUR DE FORCE OF SHEER REFLECTIVE IMAGINATION'
TIMES LITERARY SUPPLEMENT

REVISED EDITION WITH A NEW PREFACE

VINTAGE



The Intuition of the Penguins



The approach of the “Penguins” tends towards being integrative and holistic; which does not however mean an abstention from any scientific theories. It is a route from the head to the body – a route of trust, which does not require any scientific proof.

Rolando Toro describes empathy as an experience-based process which takes place in the activity of human encounters. The basis for this is the Santiago-theory of cognition by Maturana & Varela, which states that we arrive at knowledge through activity (3) and through Rolando Toro’s method BIODANZA. Thus it can be said that empathy is the total perception and respect of and for the Other in mutual social communal living and the recognition of the Other’s needs which is expressed above all through our behaviour towards the Other. This is not a process that takes place in our brain, neither is it purely affective. It is a vivid occurrence that is expressed in the encounter of human beings with one another, but also of human beings with nature.

Maturana, H.R. & Varela, F.J. (2009) “The Tree of Knowledge”. Frankfurt am Main: Fischer PB.



In an era in which more and more cultures are turning towards rationality and the separation of body and spirit, Humberto R. Maturana, Francisco J. Varela and Rolando Toro developed a definition of life which reminds us of our fundamentals, that shows us what human nature really means. In their theory they emphasise how important it is that body and spirit be lived as a unity and that communication can be realised above all by our behaviour towards ourselves, towards others and towards nature.



3. SOLUTION: An integrative Research Concept: “The Complete Science”



2 worlds meets

Instinct

Needs

Emotion / Feeling

Motiv

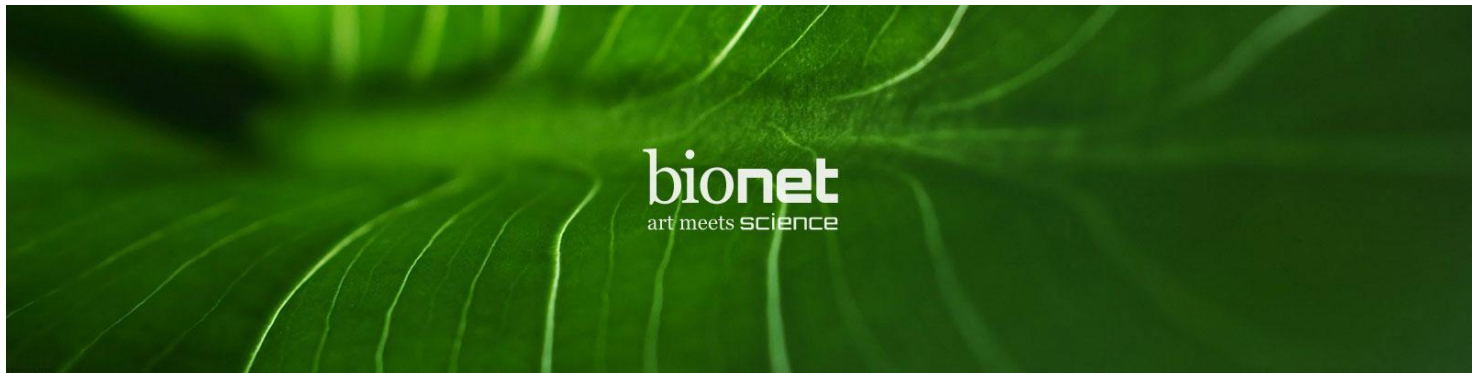
Aim

irrational nonverbal

Experience

rational verbal-reflexiv





Area 1 + 2

Area 3

Verbal-reflexive

- Science of the north,
- critical reflexion
- Carl Popper, Damasio
- Symbol: Polar Bear
- "I think what I'm"

Head



Body

Nonverbal-experience oriented

- Science of the south:
- (Self) Experience,
- R.Toro, Krishnamurti, Maturana
- Art, Biodanza, Yoga, Meditation
- Symbol: Pinguin
- "I feel what I'm"

Basic Assumption of the integrated model of holistic empathy development (Stueck, 2014 in School of Empathy)



BIONet

**A empirical scientist who express himself in art
is complete.....**

**= Integration of information, knowlegde and
wisdom**

e.g. Islamic Psychology soul meets science



Areas in BIONet

- 1. Biological/Medical Research**
- 2. Social Science**
- 3. Others e.g. Architecture / Biodanza**



5 Gates in BIONet

1. VIVENCIA
2. Qualitative Research
3. Quantitative Research
4. Laboratory Research
5. Application



3 Areas

Gate 1

Experience

New scientific approaches towards qualitative and experiential intuitive research of life and human development



Gate 1



Phenomenology

Edmund HUSSERL:

Studied from 1876 to 1878, Husserl mathematics, physics and astronomy at Leipzig university. At Leipzig he was inspired by philosophy lectures given by Wilhelm Wundt, one of the founders of modern psychology.

Husserl's thought is revolutionary in several ways, most notably in the distinction between 'natural' and 'phenomenological' modes of understanding.



3 Areas

Gate 1

- Phenomenology

Edmund HUSSERL:

“..... to come near to a truth we need to withdraw from any theory. We need to switch of all pre-interpretations, to be in the moment with our investigation object. Than we see the world in its true structures. This withdrawing he calls Epoche” (Riccœur, 1967).





3 Areas

Gate 1

- Phenomenology

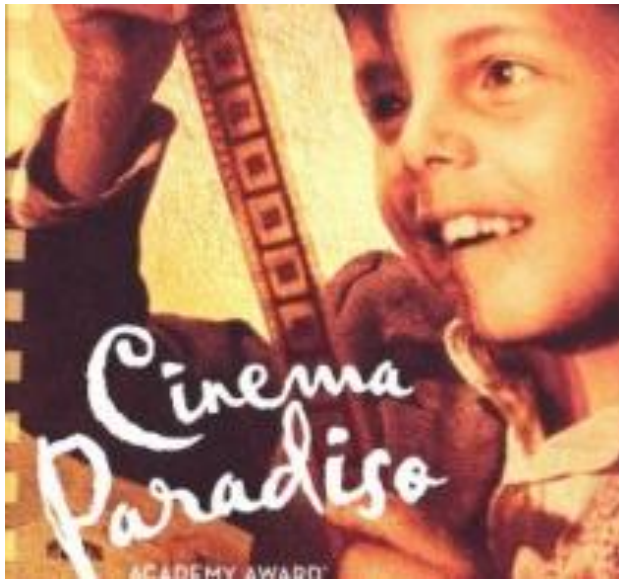
R.Toro:

“VIVENCIA = sensual Experience in here and now as a scientific method”.

Sunday 28.10.2014 10:00 – 17:00

M.Stueck & Alejandra Villegas

Cinema Paradiso: Danced Emotions



This very special workshop is based on 2 levels – one is to see scenes out of the Italian Movie *Cinema Paradiso*. Director Giuseppe Tornatore made the film in 1988. In Level 2 Alejandra Villegas and Marcus Stueck, the directors of the Biodanza-School Latvia, combines the Feelings of the moving life of a fatherless boy who loves movies with BIODANZA-Experiences. This project was in Germany a big success

EXTRA: 50 Euro: pay cash at this day



VIVENCY

ZINA Ceske
in the library
of RPIVA





BIODANZA / Rolando TORO

Vivencia

Saturday night with Dr. Alejandra Villegas

Tonight with Manju Poellmann

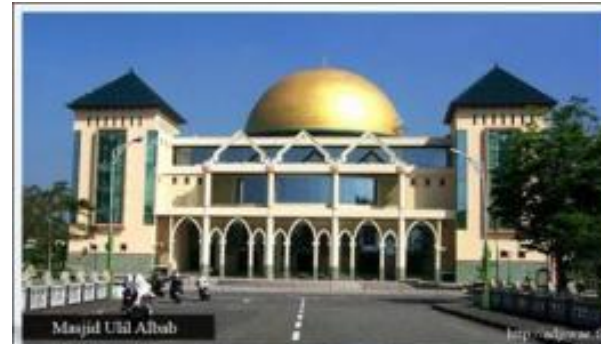
Vineta Greaves Biodanza with children saturday



Gate 1

Dr. Wing

Research on
Sacred and profane
architecture



„To be amazed is our access to the universe, dignity and thankfulness is our access to our neighbour human. The development of the science is a continuous avoidance before the status to be amazed. Who have lost the ability to be amazed is death. You have to see the impossible as long until it will be a easy matter. The mystery is a question of training

Staunen ist unser Zugang zum Universum, Demut ist unser Zugang zum Mitmenschen.“, „Der Fortgang der wissenschaftlichen Entwicklung ist im Endeffekt eine ständige Flucht vor dem Staunen.“, „Wer die Fähigkeit zu staunen verloren hat, ist weitestgehend tot.“, „Man muss das Unmögliche so lange anschauen, bis es eine leichte Angelegenheit wird. Das Wunder ist eine Frage des Trainings.“

Prof. Albert Einstein: Nobelpreisträger, „Vater der Relativitätstheorie“:



Gate 2

Qualitative Research



3 areas in BIONet

Gate 3

Quantitative field research

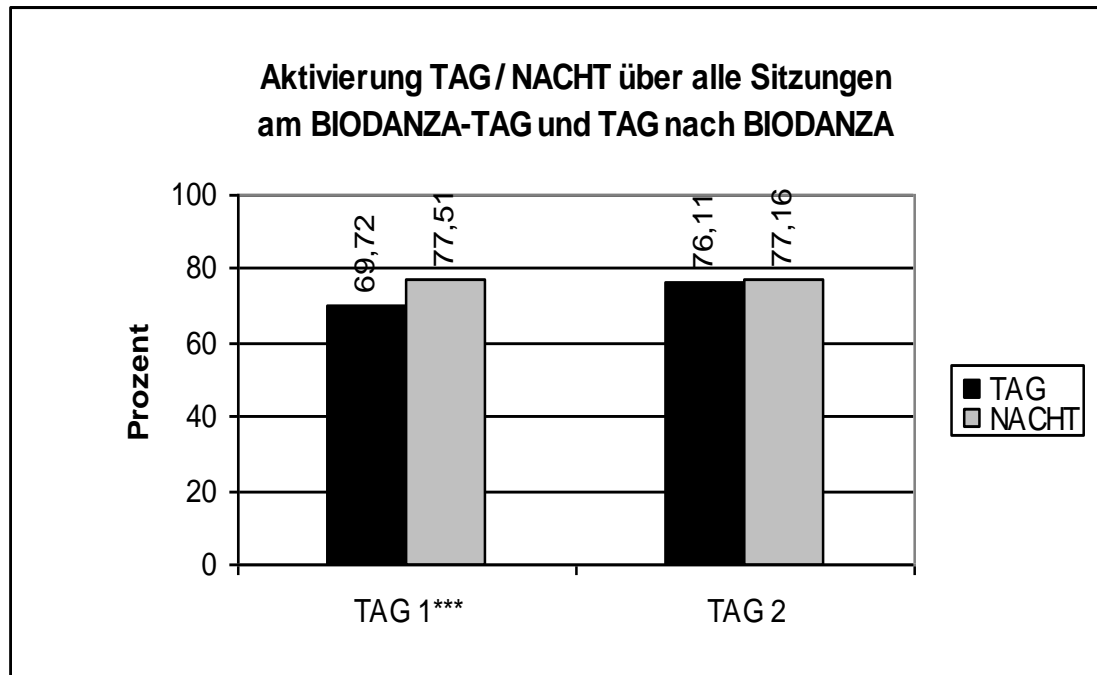
**Key note speaker
Area 1**

Dr.rer.nat.Hans-Ulrich Balzer
Chronobiologist
Humboldt University Berlin
Germany





The night after Biodanza and also the next day more sympathetic activation



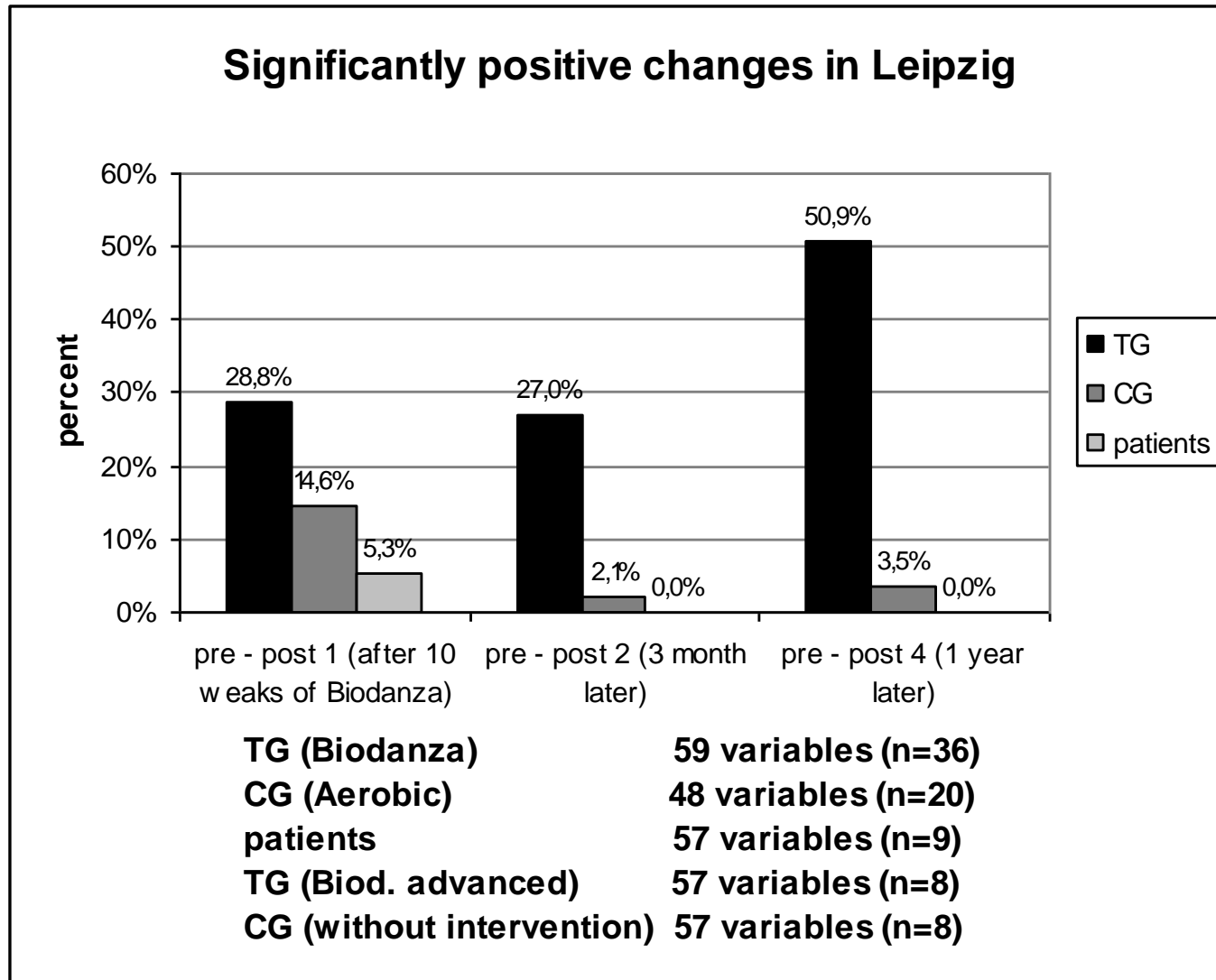
	Activation BIODANZ A – DAY	Activation one DAY after BIODANZ A
N	105	104
	(<i>sd</i>)	(<i>sd</i>)
day (awake)	69,72 (20,64)	76,11 (23,76)
night (sleep)	77,51 (22,34)	77,16 (23,71)
Significance (2-paged)	.000***	.579
d'	0,811	0,077
T	5,884	0,556

Figure 35 and table 10: activation day/ night.

Note. * p < .10 ** p < .05 *** p < .01.

Alejandra Villegas

(Longterm Effects of Biodanza)



Publication first PhD of A.Villegas

(Faculty of Bioscience, Leipzig university
2006)



Biodanza im Spiegel der Wissenschaften

Biodanza en el espejo de la ciencia
Biodanza nello specchio della scienza
Biodanza in the mirror of the science

Buch **2**

Der getanzte Weg

Prozesse und Effekte von Biodanza

El camino danzado

Procesos y efectos de Biodanza

Il percorso danzato

Processi e effetti de Biodanza

The danced way

Processes and effects of Biodanza



Alejandra Villegas

© Alejandra Villegas / Tere Costantini





3 areas in BIONet

Gate 4

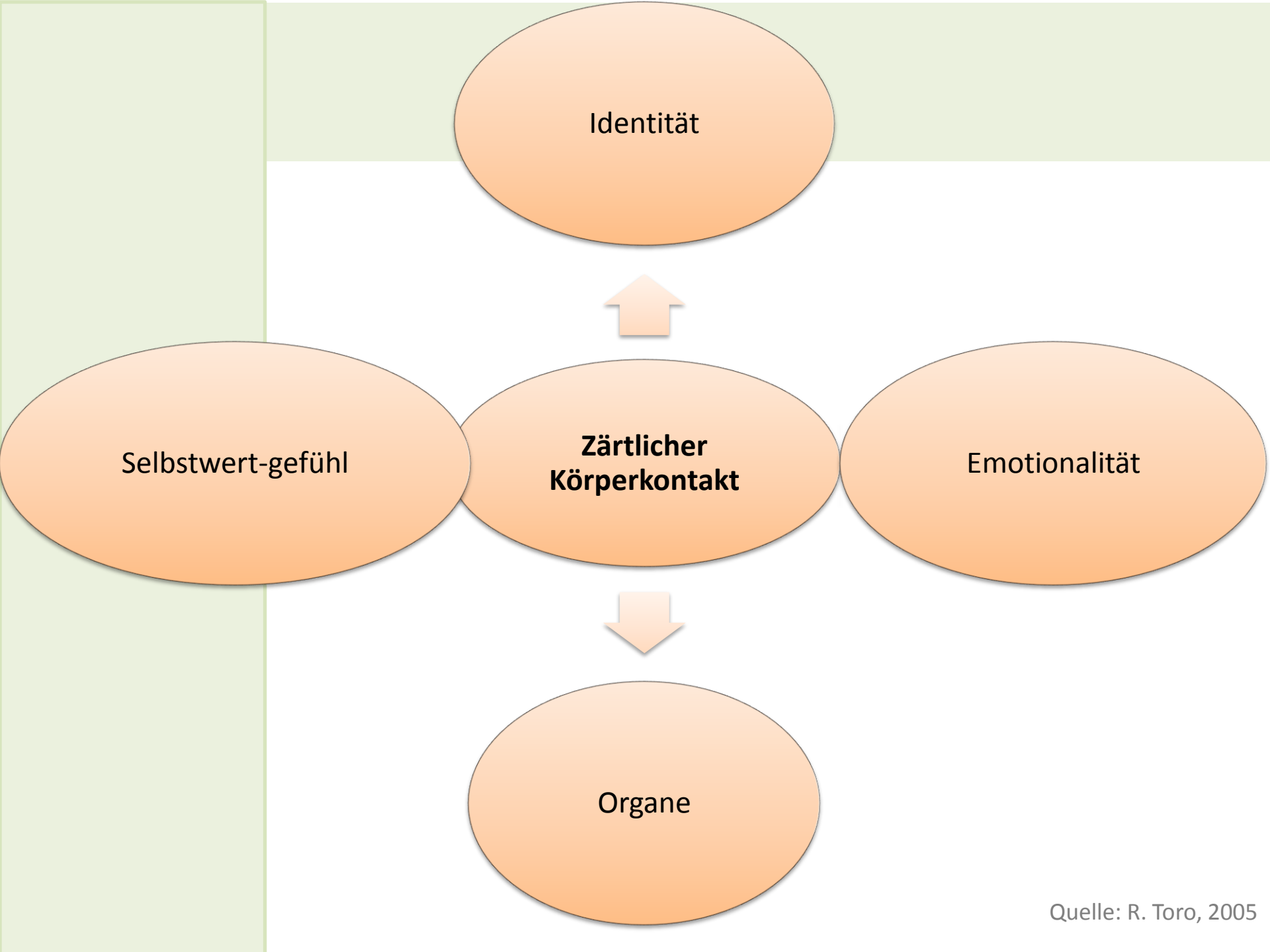
Laboratory research

Research Projekt:

Investigation about effects of contact
(carress)

Sarah Rodler, Madlen Zeumann,
Marcus Stueck





Identität



Selbstwert-gefühl

Zärtlicher Körperkontakt

Emotionalität



Organe

*„Kontakt ist Quelle von Gesundheit
und somit die wichtigste
therapeutische Intervention“
(R. Toro, 2005)*





3 areas in BIONet

Gate 5

Application / Intervention

„If we find in the center of the universe, what is the reason for its evolution, then we will not find a mechanism behind it. It will be a miracle and mystery. We can recognize this mystery, but we can't measure it. It will remain a mystery.

Prof. John Wheeler: Nobelprice Winner, „Father of the new Quantphysics“

Journal Biopsychological Basics of Life



- Official Journal of the Research Network - BIONet
- It is published once a year.
- 2013 / 2014

Submission of articles: marcus.stueck@dpfa-hs.de
www.bionet.name

Editor: Prof. Paul Thofts (England)

www.bionet.name

art meets science

The biopsychological basics
of life in education and health

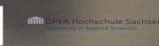
II. Conference
24.– 26.10.2014
in RIGA (Latvia)



experience
meets
science

**new form of scientific
encounter**

Bionet Partners



International conference

BIOPSYCHOLOGICAL BASICS OF LIFE
IN EDUCATION AND HEALTH

*Research Symposia of the International
LIFE-Research Network BIONet*

Life Science Research

Biology

BIONet

Psychology


Education

*New Paradigm Human Development
(Biodanza-RESEARCH)*

New form of scientific encounter

26.10 – 28.10.2012

at Riga Teacher Training and Education
al Management Academy (RPIVA) (LATVIA)

 DPFA Hochschule Gachsen
University of Applied Sciences



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INFORMATION

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