

da@cro



Unique in
stress
research

Full service CRO

Study Planning • Study Execution • Study Reporting

www.daacro.com

daacro *Characteristics*

A full service CRO – unique in stress research:
scientific consultation and GCP compliant study implementation

daacro is an independent contract research organization (CRO) founded by Juliane Hellhammer in 2003 as a spin-off of the University of Trier, Department of Psychobiology.

daacro is located in the Science Park of Trier, Germany and performs clinical studies on site as well as at other locations.

daacro offers services and clinical trial conduct for national and international manufacturers of pharmaceuticals, herbals, nutritional supplements and cosmetics.

daacro's experienced, GCP-trained, and dedicated staff accomplishes your goals on time and within your budget.

daacro combines profound expertise in stress research with a strong network of scientists of international reputation, universities and laboratories.

daacro uniquely combines scientific consultation with high quality service based on ethical, methodological, organizational and documentation standards.



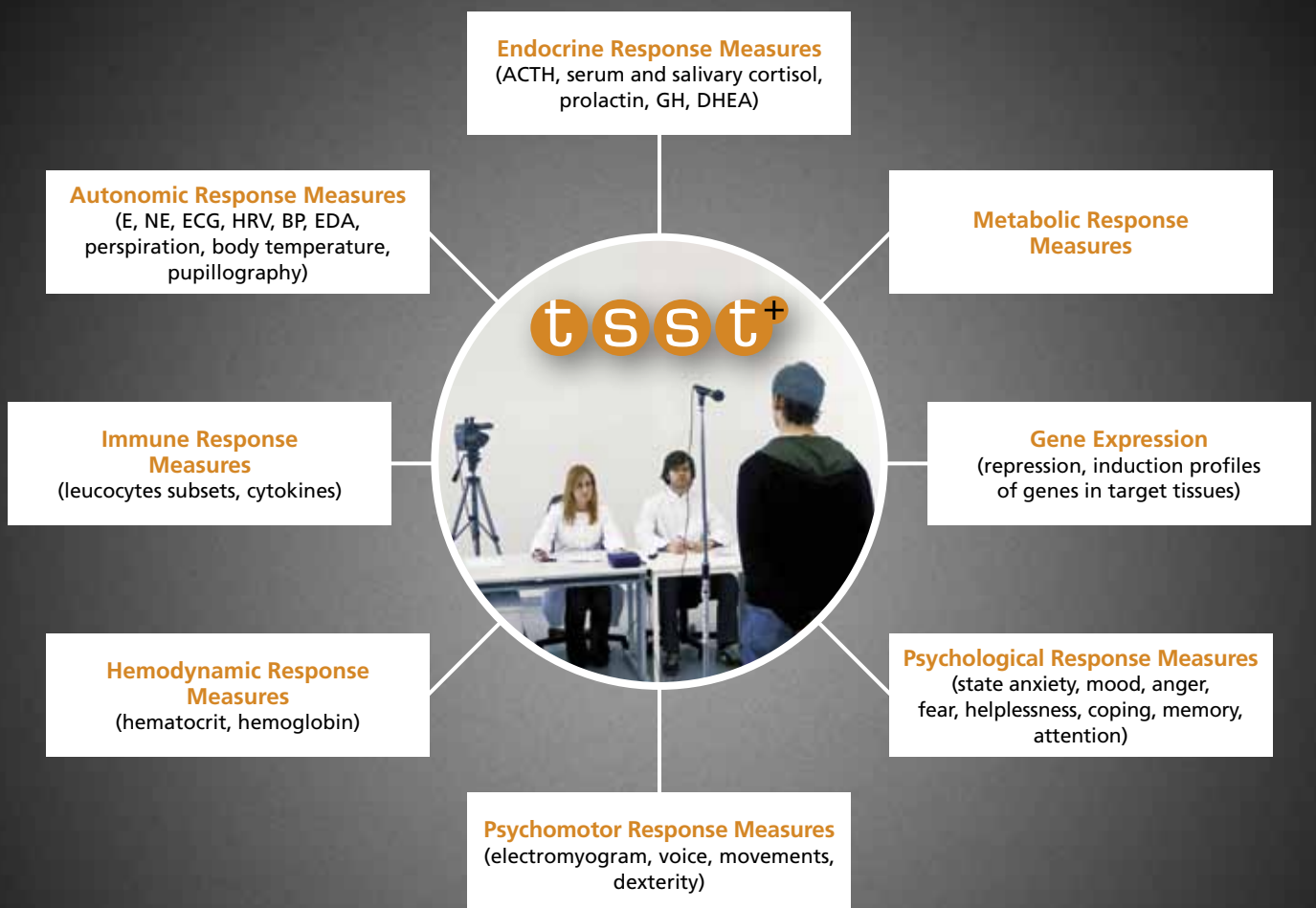
daacro *Expertise*

Acute and chronic stress – psychotropic drugs – mood & cognitive impairment –
psychometric testing – biomarkers

Measuring Acute Stress: TSST – Trier Social Stress Test

- Considered the most reliable, valid and best standardized laboratory protocol for the assessment of stress effects in humans
- Based on 20 years of development and experience, today daacro provides the highest standard and expertise in the application of this protocol to clinical research
- The TSST is a sensitive pharmacodynamic test for anxiolytic drug effects
- Perceived stress and stress biomarkers are two complementary approaches to measurement of stress
- Thus, study design needs to be well tailored to the specific requirements of your compound / dietary supplement.

Trier Social Stress Test with a plus: A modular protocol for clinical trials



Select the best options for your targeted outcomes.

da@cro *Expertise*

An innovative stress diagnostic tool

Chronic Stress

Measuring Effects of Chronic Stress: neuropattern™

- Approaching personalized stress medicine – accelerating effective therapies
- A new diagnostic tool for the detection of psychobiological determinants of stress-related disorders
- A tool for endophenotyping patients and identifying subgroups in pharmacogenetic studies and research studies in stress medicine
- Introductory literature: Stress. The Brain-Body Connection; Editors D. H. Hellhammer, J. Hellhammer (2008); Karger, Basel, ISBN 978-3-8055-8295-7

neuropattern™

neuropattern™ biomarker and questionnaires test set



Integrate innovative methods to your clinical trial design.

da@cro Services

Full service from scientific consultation to study set-up/implementation to final reporting

All services from one source

Project Planning

- Regulatory and scientific consultation, literature review
- Feasibility
- Study protocol writing & CRF design

Project Management/Clinical Implementation

- Regulatory applications
- Study site/team highly experienced in stress related studies
- Recruitment of subjects/patients
- Trial tracking and status reports

Monitoring

- Pre-study, initiation, routine on-site, motivation, close-out
- Source data verification, query resolution, drug accountability

Data Management

- Database design, data entry, data validation plan
- Query management
- Coding, audit trail, plausibility checks

Biostatistics

- Biostatistical planning and consulting, adaptive design planning, analysis plans
- Sample size calculation, randomization procedure
- Interim analyses
- Statistical reports

Medical Writing

- All documents for clinical studies
- Publication services (literature search, writing of scientific articles, data presentation at international scientific meetings)

Training

- Planning and organization of expert rounds, GCP and TSST-training

Making sponsor's needs ours!

daacro Network

Bringing the best together

Network partners

daacro Scientific Advisory Board

Institute of Stress Medicine Trier

Hospitals

Medical Laboratories

Partners for Phase I Studies

International Universities

Partners of the Horizon 2020 Programme

Partners of the FP7 Programme



both funded by the
European Commission



daacro References

Strong bonds between our sponsors and our company speak for itself

Client satisfaction and repeated business are the best proof of this achievement.

Our publications in peer reviewed scientific journals are listed on our website and can be sent on request.

Current information can be found by receiving the daacro newsletter or on our websites:

www.daacro.de

Sponsors website

www.werdeproband.de

Study participants website

www.stresszentrum-trier.de

Patients website

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