

Das **Institut für Biochemie** lädt gemeinsam mit dem Ortsverband  
der **Gesellschaft Deutscher Chemiker** zu einem

## ***K o l l o q u i u m d e r G D C h***

**Großer Hörsaal des Instituts für Biochemie**  
Felix-Hausdorff-Str. 4, Greifswald

**Mittwoch, 05. Juni 2019, 16 Uhr c.t.**

**Prof. Dr. Jean-Louis Burgot**

University of Rennes 1, France

**spricht zum Thema:**

### **Acid dissociation microconstants $k_a$ of dissymmetric diacids in water**

**Abstract:**

Acid dissociation microconstants  $k_a$  of dissymmetric diacids are defined. Relations between their values and those of their corresponding macroscopic constants  $K_a$  are set up and discussed. As an example, the case of amino-acids is chosen. The approach of their values can only be carried out through the adoption of extra-thermodynamic hypothesis since they cannot be experimentally determined without any ambiguity. The presentation is terminated by the study of a pharmacologically active compound which has the behavior of a tricarboxylic acid: the ginkgolide B. The three macroscopic dissociation constants are obtained by potentiometry. The microscopic ones are approached after hypothesis on the origin of some peaks in  $^1\text{H}$  and  $^{13}\text{C}$  NMR. Results of NMR and of potentiometry are consistent.

Einladender  
Prof. Dr. Fritz Scholz

PD Dr. Heike Kahlert  
Vorsitzende des Ortsverbandes der GDCh