

## 5 Drittmittelanträge

### 5.1 HFBG-Antrag gemeinsam mit Prof. Kleinermanns Az. 3772-110-325

**Thema:** Aufbau einer höchstauflösenden Laserfluoreszenzapparatur

#### **Bewilligte Geräte**

- Apparatur zur rotationsauflösenden Fluoreszenzspektroskopie
- Nachweiselektronik
- Ar<sup>+</sup>-Ionenlaser gepumpter Ringfarbstofflaser mit Frequenzverdopplung

### 5.2 DFG-Antrag SCHM 1043/7-1

**Thema:** Untersuchung zur Dynamik von Bewegungen mit großer Amplitude mittels höchstauflösender Laserfluoreszenzspektroskopie.

#### **Bewilligte Geräte und Stellen**

- Ar<sup>+</sup>-Ionenlaser Plasmaröhre
- 2 Jahre BAT IIa/2

### 5.3 DFG-Antrag SCHM 1043/9-1 und 9-2

**Thema:** Hochaufgelöste elektronische Spektroskopie an wasserstoffbrückengebundenen aromatischen Systemen

#### **Bewilligte Geräte und Stellen**

- Mikrowellensynthesizer
- Quadrupolmassenspektrometer
- 3 Jahre BAT IIa/2

### 5.4 DFG-Antrag SCHM 1043/9-3 und 9-4

**Thema:** Hochaufgelöste elektronische Spektroskopie an wasserstoffbrückengebundenen aromatischen Systemen

#### **Bewilligte Geräte und Stellen**

- externer Verdopplungsresonator für Ringfarbstofflaser
- 3 Jahre BAT IIa/2

## 5.5 Projekt A2 im SFB 663

**Thema:** Bestimmung von Strukturen und Lebensdauern photoprotektiver Addukte in elektronisch angeregten Zuständen

### Bewilligte Geräte und Stellen

- Diodengepumpter Nd:YAG-Laser
- 4 Jahre BAT IIa/2

## 5.6 DFG-Antrag SCHM 1043/10-1

**Thema:** High resolution electronic spectroscopy of isolated biomolecules and biomimetics

### Bewilligte Geräte und Stellen

- Bauteile für ein neuzukonstruierendes hochauflösendes Flugzeitmassenspektrometer
- 3 Jahre BAT IIa/2

## 5.7 DFG-Antrag SCHM 1043/11-1

**Thema:** Untersuchung des Einflusses der Komplexbildung auf die Konformerlandschaft flexibler Biomoleküle mit rotationsauflösender Spektroskopie

### Bewilligte Geräte und Stellen

- Ringfarbsofflaser der Firma Sirah
- 3 Jahre BAT IIa/2

## 5.8 DFG-Antrag SCHM 1043/12-1

**Thema:** Bestimmung der Lage elektronisch angeregter Zustände, sowie der zugehörigen Strukturen und Lebensdauern

### Bewilligte Geräte und Stellen

- Argonionenlaser
- 3 Jahre BAT IIa (3/2)

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