INSTITUT FÜR PROPHYLAXE & EPIDEMIOLOGIE DER KREISLAUFKRANKHEITEN (IPEK)

DIREKTOR: UNIV.-PROF. DR. CHRISTIAN WEBER

ANZAHL DER PLANSTELLEN FÜR WISSENSCHAFTLICHE MITARBEITER: 18

ANZAHL DER PLANSTELLEN FÜR NICHT-WISSENSCHAFTLICHE MITARBEITER: 14
ANZAHL ALLER DRITTMITTELFINANZIERTEN MITARBEITER: 70

DRITTMITTELAUSGABEN (IN €):

	Anzahl Projekte	Ausgaben 2014 laut Verwaltung
DFG (einschließlich STET Mikroskop)	26	1.998.656
BMBF, StMWFK, EU	10	1.079.905
Stiftungen (Humboldt, Fondation Leducq, etc.)	12	419.751
LMU excellent	5	334.712
Summe begutachtete externe Drittmittel		**3.833.024**

	Anzahl Projekte	Ausgaben 2014 laut Verwaltung
FöFoLe	8	60.907
Lebmit (Invest.)	9	23.726
Summe interne Drittmittel		**84.633**

Gesamtsumme verausgabte Drittmittel		**3.917.657**

PUBLIKATIONEN:

	Anzahl	ungewichteter IF
Im WoS gelistete Originalarbeiten, Reviews, Editorials	62	493.0
Nicht im WoS gelistete Originalarbeiten, Reviews, Editorials	-	-
Beiträge in Lehr-/Handbüchern, Monographien		
Gesamtsumme	**62**	**493.0**

FORSCHUNGSSCHWERPUNKTE

- Chemokine und Chemokinrezeptoren bei entzündlicher und atherogener Leukozytenrekrutierung
- Versatile Regulation der Atherosklerose durch microRNAs
- Funktion der Neutrophilen und Ihrer Sekretion in frühen Stadien der Atherosklerose
- Rolle von Chemokinen und Chemokin-ähnliche Funktionen von MIF in der Atherosklerose und Restenose
- Struktur und Funktion der Heterooligomerisierung und Proteoglykanbindung von Chemokinen (‚Interaktom')
- Signaltransduktion der Integrinregulation in Leukozyten und der endothelialen Aktivierung durch Zytokine
- Junktionale Adhäsionsmoleküle in der transendothelialen Diapedese und der vaskulären Entzündungsreaktion
- Chemokine und ihre Rezeptoren in der myokardialen Ischäme-Reperfusion und bei MyokardInfarkt
- Rolle von Leukozytensubpopulationen (Monozyten, T Zellen, dendritische Zellen, Mastzellen) in der Atherosklerose
- Regulation der Homöstase und Rekrutierung vaskulärer Vorläuferzellen in der Atherosklerose und nach Infarkt
- Physiologie und Pathophysiologie endothelialer Vorläuferzellen in der Endothelregeneration und Risikobestimmung
- Statine zur Prävention der Endotheldysfunktion und miniaturisierte, eluierende Formgedächtnis- und Polymer-Stents
- Intravitalmikroskopie, 2-Photonmikroskopie und Mechanismen der Plaquedestabilisierung
- Transmembranäre Chemokine und proteolytische Spaltung durch ADAM Metalloproteasen
- Rolle des Endocannabinoidsystems in der Atherosklerose und Ischämie/Reperfusion

PUBLIKATIONEN

Originalarbeiten, Reviews, Editorials - gelistet im Web of Science (WoS)

[1] Aoqui C, Chmielewski S, Scherer E, Eißler R, Sollinger D, Heid I, Braren R, Schmaderer C, Megens RT, Weber C, Heemann U, Tschöp M, Baumann M. Microvascular dysfunction in the course of metabolic syndrome induced by high-fat diet. *Cardiovasc Diabetol* 2014;13:31. (*IF 4.209*)

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[4] Brantl SA, Khandoga AL, Siess W. Mechanism of platelet activation induced by endocannabinoids in blood and plasma. *Platelets* 2014;25:151-61. (*IF 2.627*)

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[11] Döring Y, Soehnlein O, Weber C. Neutrophils cast NETs in atherosclerosis: employing peptidyl-arginine deiminase as a therapeutic target. *Circ Res* 2014;114:931-4. (*IF 11.861*)

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