INSTITUT FÜR PROPHYLAXE & EPIDEMIOLOGIE DER KREISLAUFKRANKHEITEN (IPEK)

DIREKTOR: UNIV.-PROF. DR. CHRISTIAN WEBER

ANZAHL DER HAUSHALTFINANZIERTEN WISSENSCHAFTLICHE MITARBEITER: 22

ANZAHL DER HAUSHALTFINANZIERTEN NICHT-WISSENSCHAFTLICHE MITARBEITER: 12

ANZAHL ALLER DRITTMITTELFINANZIERTEN MITARBEITER: 53

DRITTMITTELAUSGABEN (IN €):

	Anzahl Projekte	Ausgaben 2023
DFG	29	3,969.551
BMBF, StMWFK	24	1.429.804
EU	3	341.912
Stiftungen, Industrie und Sonstige	6	299.499
Summe begutachtete externe Drittmittel	**62**	**6.040.766**

	Anzahl Projekte	Ausgaben 2023
Promotionsstipendien	3	14.727
Summe interne Drittmittel	3	14.727

Gesamtsumme verausgabte Drittmittel		**6.055.493**

PUBLIKATIONEN:

	Anzahl	ungewichteter IF
im WoS gelistete Originalarbeiten	48	550,5
im WoS gelistete Reviews, Editorials	33	389
Gesamtsumme	**81**	**939,5**

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
- Mechanismen von ApoE bei Entzündung, Alzheimer und Atherosklerose
- Neuroimmune Grenzflächen, Innervation und Autoimmunität in der Atherosklerose

PUBLIKATIONEN

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

1. Aghdassi A, Schwedhelm E, Atzler D, Nauck M, Kuhn JP, Kromrey ML, Volzke H, Felix SB, Dorr M, Ittermann T, Bahls M. The relationship between homoarginine and liver biomarkers: a combination of epidemiological and clinical studies. Sci Rep 2023; 13(1) ***(IF: 4,600)***
2. Baretella O, Buser L, Andres C, Haberli D, Lenz A, Doring Y, Baumgartner I, Schindewolf M. Association of sex and cardiovascular risk factors with atherosclerosis distribution pattern in lower extremity peripheral artery disease. Front Cardiovasc Med 2023; 10: 1004003. ***(IF: 3,600)***
3. Bazioti V, Halmos B, Westerterp M. T-cell Cholesterol Accumulation, Aging, and Atherosclerosis. Current Atherosclerosis Reports 2023; 25(9): 527-34. ***(IF: 5,800)***
4. Bianchini M, Moller-Ramon Z, Weber C, Megens RTA, Duchene J. Short-Term Western Diet Causes Rapid and Lasting Alterations of Bone Marrow Physiology. Thromb Haemost 2023; 123(11): 1100-4. ***(IF: 6,700)***
5. Blanchet X, Weber C, von Hundelshausen P. Chemokine Heteromers and Their Impact on Cellular Function-A Conceptual Framework. Int J Mol Sci 2023; 24(13). ***(IF: 5,600)***
6. Bochenek ML, Saar K, Nazari-Jahantigh M, Gogiraju R, Wiedenroth CB, Münzel T, Mayer E, Fink L, Schober A, Hübner N, Guth S, Konstantinides S, Schäfer K. Endothelial Overexpression of TGF-β-Induced Protein Impairs Venous Thrombus Resolution. JACC: Basic to Translational Science Epub 2023. ***(IF: 9,700)***
7. Bonfiglio CA, Weber C, Atzler D, Lutgens E. Immunotherapy and cardiovascular diseases: novel avenues for immunotherapeutic approaches. QJM 2023; 116(4): 271-8. ***(IF: 13,300)***
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9. Briukhovetska D, Suarez-Gosalvez J, Voigt C, Markota A, Giannou AD, Schubel M, Jobst J, Zhang T, Dorr J, Markl F, Majed L, Muller PJ, May P, Gottschlich A, Tokarew N, Lucke J, Oner A, Schwerdtfeger M, Andreu-Sanz D, Grunmeier R, Seifert M, Michaelides S, Hristov M, Konig LM, Cadilha BL, Mikhaylov O, Anders HJ, Rothenfusser S, Flavell RA, Cerezo-Wallis D, Tejedo C, Soengas MS, Bald T, Huber S, Endres S, Kobold S. T cell-derived interleukin-22 drives the expression of CD155 by cancer cells to suppress NK cell function and promote metastasis. Immunity 2023; 56(1): 143-61 e11. ***(IF: 32,400)***
10. Cimen I, Natarelli L, Abedi Kichi Z, Henderson JM, Farina FM, Briem E, Aslani M, Megens RTA, Jansen Y, Mann-Fallenbuchel E, Gencer S, Duchene J, Nazari-Jahantigh M, van der Vorst EPC, Enard W, Doring Y, Schober A, Santovito D, Weber C. Targeting a cell-specific microRNA repressor of CXCR4 ameliorates atherosclerosis in mice. Sci Transl Med 2023; 15(720): eadf3357. ***(IF: 17,100)***
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12. Duan R, Ni Q, Li Y, Zhu M, Li W, Wang P, Yuan K, von Hundelshausen P, Zhu J, Zhang L, Lv L. Lymphocytes, Mean Platelet Volume, and Albumin in Critically Ill COVID-19 Patients with Venous Thromboembolism. Clin Appl Thromb Hemost 2023; 29: 10760296231177676. ***(IF: 2,900)***
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14. Egea V, Megens RTA, Santovito D, Wantha S, Brandl R, Siess W, Khani S, Soehnlein O, Bartelt A, Weber C, Ries C. Properties and fate of human mesenchymal stem cells upon miRNA let-7f-promoted recruitment to atherosclerotic plaques. Cardiovasc Res 2023; 119(1): 155-66. ***(IF: 10,900)***
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19. Gigante B, Levy JH, van Gorp E, Bartoloni A, Bochaton-Piallat ML, Back M, Ten Cate H, Christersson C, Ferreiro JL, Geisler T, Lutgens E, Schulman S, Storey RF, Thachil J, Vilahur G, Liaw PC, Rocca B. Management of patients on antithrombotic therapy with severe infections: a joint clinical consensus statement of the ESC Working Group on Thrombosis, the ESC Working Group on Atherosclerosis and Vascular Biology, and the International Society on Thrombosis and Haemostasis. Eur Heart J 2023; 44(32): 3040-58. ***(IF: 39,300)***
20. Ghiboub M, Bell M, Sinkeviciute D, Prinjha RK, de Winther MPJ, Harker NR, Tough DF, de Jonge WJ. The Epigenetic Reader Protein SP140 Regulates Dendritic Cell Activation, Maturation and Tolerogenic Potential. Curr Issues Mol Biol 2023; 45(5): 4228-4245. ***(IF:2.8)***
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30. Lemmer IL, Bartelt A. Brown fat has a sweet tooth. Nat Metab 2023; 5(7): 1080-1. ***(IF: 20,800)***
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33. Lip GYH, Rigby A, Weber C. A Happy New Year 2023 from Thrombosis and Haemostasis. Thromb Haemost 2023; 123(1): 1-5. ***(IF: 6,700)***
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