

## Curriculum Vitae

Date Prepared: September, 2021  
Name: Karin M. Hoffmeister  
Office Address: Translational Glycomics Center  
Versiti Blood Research Institute  
8733 West Watertown Plank Road  
Milwaukee, WI 53226  
Home Address: 7525 North Links Way  
Fox Point, WI 53217  
Work Phone: 414 937 6223  
Work Email: [khoffmeister@versiti.org](mailto:khoffmeister@versiti.org); [khoffmeister@mcw.edu](mailto:khoffmeister@mcw.edu)  
Place of Birth: Rutenau, Poland

## Education

09/88- 08/89	B.S.	Physiology	Heinrich Heine University, Düsseldorf, Germany
09/89- 09/93	M.D. (magna cum laude)	Medical Degree	RWTH Aachen University, Aachen, Germany
07/91- 09/95	Doctor of Medicine (summa cum laude), equivalent to PhD	Doctoral Research Degree (Prof. Dr. Mittermayer)	RWTH Aachen University, Aachen, Germany
2000	USMLE Steps 1 and 2		USA

## Postdoctoral Training

08/93- 09/95	Resident	Internal Medicine, Department of Cardiology	RWTH Aachen University, Aachen, Germany
09/95- 09/98	Fellow	Internal Medicine and Cardiology, Department of Cardiology	RWTH Aachen University, Aachen, Germany
09/93- 09/98	Research Fellow	Department of Cardiology	RWTH Aachen University, Aachen, Germany
09/98- 09/01	Research Fellow	Hematology, Department of Medicine	Brigham and Women's Hospital, Boston, MA

(Drs. Stossel and Hartwig)

Board Certification

1998	Board Certification	Internal Medicine and Cardiology	Germany
------	---------------------	----------------------------------	---------

Faculty Academic Appointments

09/01-09/04	Instructor	Medicine	Harvard Medical School, Boston, MA
09/04-09/10	Assistant Professor	Medicine	Harvard Medical School, Boston, MA
2010-2017	Associate Professor	Medicine	Harvard Medical School, Boston, MA
2014-2019	Associate Professor	Medicine and Pediatrics	Harvard Medical School, Boston, MA
2017-2019	Lecturer in Medicine, Part time	Medicine	Harvard Medical School, Boston, MA
2017-	Senior Investigator	Glycomics	Versiti Blood Research Institute, Milwaukee, WI
2017-	Director	Translational Glycomics Center	Versiti Blood Research Institute, Milwaukee, WI
2017-	Professor	Medicine and Biochemistry	Medical College Wisconsin, Milwaukee, WI

Appointments at Hospitals/Affiliated Institutions

2001-2018	Associate Biologist	Department of Medicine	Brigham and Women's Hospital, Boston, MA
-----------	---------------------	------------------------	--

Other Professional Positions

2005-2015	Consultant	Velico Medical, Inc.
2015-2017	Consultant	Proteostasis Therapeutics, Inc.
2017-	Consultant	Amgen, Inc.
2017-	Consultant	Pfizer, Inc.

## Committee Service

2014	Member, Ad hoc Promotion Committee	Children's Hospital Boston/Harvard Medical School, Boston, MA
2015	Member, Search Committee for Program Leader in Bone Marrow Failure	Children's Hospital Boston/Harvard Medical School, Boston, MA
2016	Member, Abstract Selection Committee, Platelet activation	American Society of Hematology
2016	Member, Scientific Committee on Megakaryocytes and Platelets	American Society of Hematology
2017-	Vice Chair, T32 Training Grant in Transfusion	Versiti Blood Research Institute, Milwaukee, WI
2017	Vice Chair, Scientific Committee on Megakaryocytes and Platelets	American Society of Hematology
2018	Chair, Scientific Committee on Megakaryocytes and Platelets	American Society of Hematology
2018	Member, Abstract Selection Committee, Thrombosis and Hemostasis	American Society of Hematology
2018	Co-Chair, Best of Thrombosis and Hemostasis	American Society of Hematology
2018	Chair, Organizing Committee, 1 <sup>st</sup> Great Lakes Translational Glycomics Symposium	Translational Glycomics Center, Milwaukee, WI
2018	Chair, Faculty Search Committee	Translational Glycomics Center, Milwaukee, WI
2018	Chair, Internal Advisory Committee Center for Mass Spectrometry	Medical College Wisconsin, Milwaukee, WI
2019	Chair, Organizing Committee, 2 <sup>nd</sup> Great Lakes Translational Glycomics Symposium	Translational Glycomics Center, Milwaukee, WI
2019	Member, Advisory Committee, K12	University of California, San Diego, CA
2020	Chair, Organizing Committee, 3 <sup>rd</sup> Great Lakes Translational Glycomics Symposium	Translational Glycomics Center, Milwaukee, WI
2020	Organizing Committee, Diagnostic & OMICS, 2021 Meeting, Philadelphia, PA	International Society on Thrombosis and Haemostasis
2020	Chair, Organizing Committee Metabolomics and Glycomics	Medical College of Wisconsin Cancer Center, Milwaukee, WI
2020	Chair, Mentoring Committee for Junior	Versiti Blood Research Institute,

	Faculty Yiliang Chen	Milwaukee, WI
2020	Chair, Mentoring Committee for Junior Faculty Brain Branchford	Versiti Blood Research Institute, Milwaukee, WI
2020	Co-Chair, "APReT" (Annual Performance Review Team)	Versiti Blood Research Institute, Milwaukee, WI
2021	UPEN/CHOP T32 Grant External advisory board member	UPEN
	Leader CCMCW led Metabolomics-Glycomics Initiative	Medical College of Wisconsin, WI
	Chair, Organizing Committee Heparin Induced Thrombocytopenia – role of glycans	Versiti Blood Research Institute, Milwaukee, WI
	Member, Versiti BRI-Building Expansion committee	Versiti Blood Research Institute, Milwaukee, WI
	Chair, Versiti BRI Scientific Future Directions committee	Versiti Blood Research Institute, Milwaukee, WI
	Member, Versiti BRI-Culture committee	Versiti Blood Research Institute, Milwaukee, WI
	Member, Versiti Innovation Committee	Versiti Blood Research Institute, Milwaukee, WI
	Society for Glycobiology Meeting 2021, Organizing Committee Member	
	Chair, Scientific Session, Society for Glycobiology Meeting 2021	

### Professional Societies

2001-	American Society of Hematology	Member
	2009	Member, Abstract Selection Committee, Platelet activation and Biochemistry
	2012	Member, Abstract Selection Committee, Platelet Activation and Biochemistry
2009-	Society for Glycobiology	Member

2012-	International Society of Thrombosis and Hemostasis (ISTH)	Member
	2014	Member, Abstract Selection Committee, Platelet Activation/Adhesion
2012-	American Society of Blood Banking	Member

[Grant Review Activities](#)

2006-2014	Peer Review Study Group	Program of Canadian Blood Services, Canada
2014-2015	NHLBI RO1/R21 Hemostasis and Thrombosis Study Section NIH	Ad hoc Member
2015-2020	NHLBI RO1/R21 Hemostasis and Thrombosis Study Section NIH	Permanent Member
2011-2020	NHLBI Selected Topics in Transfusion Medicine Study Section	
2021-	NHLBI Hemostasis, Thrombosis, Blood Cells and Transfusion Study Section (HTBT)	Permanent Member

[Editorial Activities](#)

*Editorial Board Member*

Journal of Molecular and Cellular Cardiology  
 Journal for Thrombosis and Hemostasis  
 Blood Advances

*Journal Reviewer*

Cell  
 Nature  
 Nat. Communications  
 Nature Biotechnology  
 Nature Medicine  
 Blood

Haematologica  
 Journal of Biological Chemistry  
 Thrombosis and Hemostasis  
 Thrombosis Research  
 Journal of Clinical Investigation  
 Journal of Experimental Medicine  
 Transfusion  
 Research Reports

Honors and Prizes

2004	William Randolph Hearst Foundation	Brigham and Women's Hospital	Young Investigator In Medicine
2005-2010	Pew Scholar Award	Pew Scholar Program in the Biomedical Sciences	
2006	Physician Mentor Recognition Program Award	American Medical Association-Women Physicians Congress	Mentoring
2007-2008	Young Mentoring Award	Harvard Medical School	Mentoring
2014-15	State of the Science in Transfusion Medicine	Member of the Platelet NIH Working Group	Scientific Committee Member
2017	Platelets and Megakaryocyte Biology Scientific Committee	American Society of Hematology	Vice Chair,
2018	Platelets and Megakaryocyte Biology Scientific Committee	American Society of Hematology	Chair
2019	Journal of Molecular and Cellular Cardiology		Editorial Board Member
2019	NHLBI Celebrates Women Scientists	NHLBI	
2021	Journal of Thrombosis and Haemostasis		Editorial Board Member
2021	Blood Advances		Editorial Board Member

## Report of Funded and Unfunded Projects

### Funding Information

#### Past

- 2003-2007    Scientist Development Grant – Receptors Mediating Cold Platelet Clearance  
American Heart Association (National)  
The major effort of this proposal was directed toward understanding cold-induced platelet dysfunction leading to the development of better methods to enhance the quality of stored platelet concentrates, and to investigate a strategy to modify platelets so as to accommodate their circulation following chilling.
- 2005-2009    Platelet Carbohydrates in Platelet Survival  
Pew Scholar Award  
The major focus of this project was to better understand the role of carbohydrates in the function and lifespan of blood platelets.
- 2006-2011    Prevention of Cold-Induced Platelet Storage Lesion” (Project 2)  
NIH/NHLBI
- 2009-2011    ARRA – American Recovery & Reinvestment Act 2009  
“Carbohydrate Mediated Platelet Clearance”  
NIH/NHLBI R01 HL089224-03S1 Administrative Supplement
- 2016-2018    “Novel approaches for platelet storage” BBIC-NCAI-NHLBI  
The goal is to improve platelets storage solutions by preserving surface glycans.
- 2011-2018    Program Project PI: Dr. Robert Sackstein, BWH  
“Lactosaminyl Glycans in Megakaryocytes and Thrombopoiesis” (Project 3),  
NIH/NHLBI  
The major goal of this proposal is to determine the role of glycans, specifically lactosaminoglycans, in thrombopoiesis. The generated information will serve to develop strategies to modulate expression of key terminal lactosaminyl glycans to enhance thrombopoiesis.

#### Current

- 2010-2021    “Carbohydrate Mediated Platelet Clearance”  
NHLBI R01 HL089224  
The goal of this project is to determine the pathway(s) by which hepatocytes and macrophages ingest platelets to accelerate their clearance from the circulation.

- 2018-2023 K12 “National Career Development Consortium for Excellence in Glycosciences”  
NHLBI  
Program Director: Dr. Karin Hoffmeister, Versiti Blood Research Institute  
The goal is to educate the next generation of physician scientists in clinical glycoscience.
- 2018-2022 “VWF- Mechanisms of Regulation.”  
NHLBI R01 HL089224  
Co-PI  
The goal is to study the role of carbohydrates in VWF disease
- 2021 “Molecular and Clinical Glycobiology of the Bone Marrow Environment”  
NHLBI P01 HL151333 01A1  
Hoffmeister PI  
The goal is to investigate the role of glycans in the bone marrow niche in health and in disease including in myeloproliferative neoplasms and normal and aberrant thrombopoiesis.
- 2020 “Carbohydrate Mediated Platelet Clearance”  
NHLBI R01 HL089224 supplement  
The goal is to identify the role of ABO blood groups and other glycans in COVID19.

### Report of Local Teaching and Training

#### Teaching of Students in Courses

1993-1998	Introduction to Histopathology 2 <sup>nd</sup> year medical students	RWTH Aachen University, Aachen, Germany 2-hr sessions per week for 8 weeks
1995-1998	Molecular Mechanisms of Cardiovascular Disease 3 <sup>rd</sup> year medical students	Technical University of Aachen 2-hr sessions per week for 4 weeks

#### Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

1993-1998	Research Training Program In Molecular Biology of Cardiovascular Disease 2-4 2 <sup>nd</sup> year medical students/year	RWTH Aachen University, Aachen, Germany Research seminars 4 hours/week
-----------	--	---



	2-4 Clinical residents/year	
1999-2005	Hematology Laboratory Conference Series 30 attendees, students, research staff, postdoctoral fellows, 3 <sup>rd</sup> year students	Brigham and Women's Hospital, Boston, MA 1-hour lecture 3 times/year
2001-	Introduction to Flow Cytometry: Blood Cell Sorting Residents, research and clinical fellows	Brigham and Women's Hospital, Boston, MA 1-hour lecture presentation/year
2001-2012	Program Project Group Seminar Invited Speaker 15-20 attendees, research staff and fellows	Program in Cellular and Molecular Medicine (former Immune Disease Institute), Boston, MA 1-hour lecture presentation 2 times/year
2001-2004	Hematology Division Research Training Program Research 3 <sup>rd</sup> year HMS medical students	Brigham and Women's Hospital, Boston, MA 5-10 hours/week
2003-5	Department of Pathology, Clinical Conference Series Residents, and clinical fellows; research fellows	Brigham and Women's Hospital, Boston, MA 1-hour lecture presentation/per year
2005-	Hematology Seminars Residents, research and clinical fellows	Brigham and Women's Hospital, Boston, MA 1-hour lecture presentation/per year
2013-	Essentials in Glycobiology 10 research fellows	Brigham and Women's Hospital, Boston, MA 2-hour session, 1 week
2013	K12 Colloquium, Blood Scholars Lecture	Harvard Medical School, Boston, MA 1- hour lecture
2020	Protein Chemistry, Applications	1.5 hrs lecture, Medical College of Wisconsin

#### [Clinical Supervisory and Training Responsibilities](#)

1994	Emergency Room Preceptor (Internal Medicine) / University Hospital, RWTH Aachen University, Aachen, Germany	One half session per week
1995-1998	Cardiac Intensive Care Unit Preceptor / University Hospital, RWTH Aachen	One half session per week

University, Aachen, Germany

### Laboratory and Other Research Supervisory and Training Responsibilities

2000-	Supervision of post-doctoral research fellows / Brigham and Women's Hospital, Boston, MA	Daily mentorship/week for 12 months
2000-	Supervision of undergraduate students / Brigham and Women's Hospital, Boston, MA	Daily mentorship/week for 4 months

### Formally Supervised Trainees and Faculty

2001-2007	Emma Josefsson, M.S., Ph.D. Lab Head, Walter & Eliza Hall Institute of Medical Research, Parkville, Victoria, Australia Direct Supervisor/Mentor, Received Ph.D., published three manuscripts, including one in Science, published one review article
2002-2003	Silke Ebbing, Ruhr University Bochum, Bochum, Germany, Max Plank Society MS, Collège des Ingénieurs MBA; Senior Regional Marketing Manager EMEA bei Leica Biosystems, France
2004	Harry Gebhard, M.D., Visiting Medical Student, Munich, Germany Attending Physician Orthopedics and Neurosurgery, Basel, Switzerland Direct Supervisor/Mentor, published one manuscript
2005-2009	Viktoria Rumjantseva, M.S., Ph.D. Research Fellow, Brigham and Women's Hospital and Harvard Medical School Direct Supervisor/Mentor, published four manuscripts, including one in Nature Medicine, published one review article

- 2004-2006  
Suzana Zorca, M.D., Fellow in Anesthesiology, Brigham and Women's Hospital and Harvard Medical School  
Direct Supervisor/Mentor, M.D. with honors 2008 HMS; HHMI Research Award; Training grant pre-doctoral position; Massachusetts Medical Society Award
- 2005-2007  
Hans Wandall, M.D., PhD.  
Professor, University of Copenhagen, Denmark  
Direct Supervisor/Mentor, published four manuscripts, including one in Nature Medicine, published one review article
- 2005-2007  
Anne Louise Sørensen, M.D., Graduate Exchange Student, University of Copenhagen, Denmark  
Direct Supervisor/Mentor, published two manuscripts, published one review articles
- 2005-2006  
Alexander Babic, M.D., Ph.D.  
Associate Medical Director, Transfusion Medicine, Department of Pathology and Genomic Medicine, Houston Methodist Research Institute, Houston Methodist Hospital, Assistant Professor of Pathology and Laboratory Medicine  
Direct Supervisor/Mentor, published one manuscript
- 2007-2014  
Antonija Jurak Begonja, Ph.D., Postdoctoral Fellow  
Assistant Professor, University of Rijeka, Croatia  
Published two manuscripts
- 2008-2018  
Renata Grozovsky, Ph.D., Research Fellow, Brigham and Women's Hospital and Harvard Medical School  
Direct Supervisor/Mentor, published three manuscripts, including one in Nature Medicine as first author and received editorial in Nature Medicine, published five review articles; Presented Plenary Lecture at the annual 2014 American Society of Hematology meeting, received Mary Rhodes Gibson Memorial Award in Thrombosis and Hemostasis 2014, granted to a trainee of the highest scoring abstract submitted to the thrombosis and hemostasis section; promoted to Instructor in 2016, received ASH Junior Faculty Award in 2017

- 2010-2018  
Silvia Giannini, Ph.D., Instructor in Medicine, Brigham and Women's Hospital and Harvard Medical School  
Direct Supervisor/Mentor, published two manuscripts, four review articles and one book chapter, promoted to Instructor in 2014 and Assistant Professor in 2018, received first R01 in 2017
- 2010-2012  
Daniel Muehlschlegel, M.D., Postdoctoral Fellow  
Associate Professor of Anesthesia, Brigham and Women's Hospital and Harvard Medical School  
Direct Supervisor/Mentor, published one manuscript
- 2011-2012  
Max Adelman, Undergraduate,  
Medical School: Emory University School of Medicine  
Residency: Massachusetts General Hospital  
Fellow, Infectious Disease, Emory University School of Medicine,  
Direct Supervisor/Mentor
- 2011-2013  
Markus Bender, Ph.D., Postdoctoral Fellow  
Group Leader, Principal Investigator; Assistant Professor, University of Würzburg, Germany, Otto Bayer Award, PI, 2016; DFG research grant, PI, 2016  
Direct Supervisor/Co-Mentor, published two manuscripts
- 2012-2013  
Shu Yang, Predoctoral Fellow  
M.D., Cardiovascular Medicine Fellow, Beth Israel Deaconess Medical Center, Boston, MA  
Direct Supervisor/Mentor
- 2012-2014  
Robert Abdu, Predoctoral Fellow  
D.O., General Surgeon, Royal Oak, MI  
Direct Supervisor/Mentor
- 2012-2014  
Hugh Kim, D.M.D., M.S., Ph.D., Postdoctoral Fellow  
Principal Investigator, Associate Professor, University of British Columbia, Canada;  
Research-Intensive; CIHR Research Ambassadors Knowledge Translation Award, PI, 2014;

CIHR Catalyst Grant Recipient, PI, 2015  
Direct Supervisor Co-Mentor, published one manuscript

2012

Camilla Lindberg, M.S., Undergraduate Student, Pharmacy, Gothenburg University, Sweden  
Direct Supervisor/Mentor, M.S. in 2013

2013

Sanez Sabeti, M.S., Undergraduate Student, Pharmacy, Gothenburg University, Sweden  
Direct Supervisor/Mentor, M.S. in 2014

2014

Pari Mahammad, M.S., Undergraduate Student, Pharmacy, Gothenburg University, Sweden  
Direct Supervisor/Mentor, M.S. in 2015

2014-

Melissa Lee-Sundlov, Ph.D., Research Scientist  
Direct Supervisor/Mentor, published 1 manuscript, K12 grant recipient, published 6 original co-author papers and one review as first author.

2016-

Leonardo Rivadeneyra, Ph.D./Postdoctoral Fellow  
Direct Supervisor/Mentor, published one paper

2017-2019

Sabina Cashin, Predoctoral, Medical Student, University of Chicago, IL  
Direct Supervisor/Mentor

2018-2020

Heather Clift, Ph.D., Postdoctoral Fellow  
Direct Supervisor/Mentor, published two papers, one as first author

2018-2020

Waseem Anani, M.D., Vice-Medical Director, Transfusion, Postdoctoral Trainee  
Direct Supervisor/Mentor, K12 grant recipient and scholar; University of Toronto and Canadian Blood Services

2018-2020

Aminata Wyatt-Ngom, undergraduate student, University of Wisconsin, Milwaukee  
Direct supervisor/Mentor

2019-

Ratanshree Biswas, M.D., Postdoctoral Fellow  
Direct Supervisor/Mentor

### Local Invited Presentations

2013	K12 Colloquium, Blood Scholars Lecture	Harvard Medical School, Boston, MA 1-hour lecture
2011-	Megakaryocyte and Platelet Joint Meeting	Children's Hospital Boston/ Harvard Medical School, Boston, MA 30-min lecture, twice a year

### Report of Regional, National and International Invited Teaching and Presentations

#### Invited Presentations and Courses

##### Regional

No presentations below were sponsored by outside entities.

2004	Conference of Transfusion Medicine Physicians and Blood Bank Technologists / Invited Speaker Worcester, MA
2005	Massachusetts Association of Blood Banks Annual Seminar / Invited speaker New Bedford, MA
2007	Brockton/West Roxbury VA Med Center / Invited speaker Boston, MA
2007	Hematology Grand Rounds, Lahey Clinic / Invited speaker Burlington, MA
2008	North Shore Technology Council Symposia / Invited speaker Beverly, MA
2008	Novartis Venture Funds Meeting / Invited speaker Cambridge, MA
2009	Fenwal/Velico Inc. Scientific meeting / Invited speaker Beverly, MA
2009	Hemonetics/Velico Inc./Scientific Meeting / Invited Speaker Beverly, MA
2015	Boston Glycobiology Discussion Group / Invited Speaker

Boston, MA

2016 Seminars in Hematology, Medical College Wisconsin/Froedtert Hospital / Invited Speaker  
Milwaukee, WI

2017 Seminars in Biochemistry, Medical College Wisconsin / Invited Speaker  
Milwaukee, WI

2020

National

No presentations below were sponsored by outside entities.

2001 American Society of Hematology Annual Meeting / Invited session speaker  
Orlando, FL

2003 Gordon Conference on Phagocytes / Invited speaker  
New London, CT  
American Medical Association Annual Meeting / Science Magazine Press Conference  
featured speaker  
Philadelphia, PA  
American Society of Hematology Annual Meeting / Invited Session Speaker  
San Diego, CA

2005 American Red Cross, Holland Laboratories / Invited speaker  
Washington, DC  
Puget Sound Blood Center / Invited speaker  
Seattle, WI  
University of Washington Hematology Grand Rounds / Invited speaker  
Seattle, WI  
Florida Association of Blood Banks Annual Meeting / Invited speaker  
St Petersburg, FL

2009 American Red Cross/Headquarters Scientific Meeting / Invited speaker  
Washington, DC  
Walter Reed Army Institute of Research (WRAIR) / Invited speaker

Silver Spring, MD

- 2011 American Society of Blood Banking / Invited speaker and Session leader  
San Diego, CA  
Walter Reed Army Institute of Research (WRAIR) / Invited speaker  
Silver Spring, MD  
Society for Glycobiology / Invited speaker  
St Petersburg, FL  
American Association of Blood Banking / Invited speaker and Session Leader  
Denver, CO
- 2014 American Society for Biochemistry and Molecular Biology, Frontiers in Glycobiology  
San Diego, CA  
Thrombosis and Hemostasis Summit of North America (THSNA) / Invited speaker  
Chicago, IL  
American Association of Blood Banking / Scientific Session Leader  
Denver, CO  
Hemostasis Gordon Research Conference / Invited Session Chair  
Puget Sound Blood Center / Invited speaker  
Seattle, WA  
Blood Research Institute Milwaukee / Invited Speaker  
Milwaukee, WI
- 2015 University of Maryland, Department of Microbiology & Immunology Seminar Series /  
Invited speaker  
Baltimore, MD  
Blood Research Institute, Invited Speaker  
Milwaukee, WI  
American Association of Blood Banking / Scientific Session Leader  
Anaheim, CA  
44<sup>th</sup> Annual Philadelphia Workshop on Hemostasis, Thrombosis and Atherosclerosis,  
University of Pennsylvania / Keynote speaker  
Philadelphia, PA



Consortium for Functional Glycomics, Workshops in Molecular and Cellular Glycosciences  
San Francisco/CA

- 2016 8<sup>th</sup> Symposium on Hemostasis: Translational and Basic Science Discoveries, University of North Carolina School of Medicine  
Chapel Hill, NC  
Hemostasis Gordon Research Conference / Invited speaker  
Stowe, VT  
Hemostasis Gordon Research Seminar / Invited Discussion Leader  
Stowe, VT  
Boston Glycobiology Discussion Group / Invited Speaker  
Boston, MA  
Scientific Committee Symposium Presentation, 59<sup>th</sup> Annual Meeting of the American Society of Hematology / Invited Speaker  
Atlanta, GA  
Scientific Committee Symposium Presentation, 59<sup>th</sup> Annual Meeting of the American Society of Hematology, ASH Meet-the-Scientists Session / Invited Speaker  
Atlanta, GA  
Saha Cardiovascular Research Center, Cardiovascular Seminar Series / University of Kentucky / Invited Speaker  
Lexington, KY
- 2018 2018 HTRS/NASTH Research Colloquium, endorsed by the International Society on Thrombosis and Haemostasis / Invited Speaker  
San Diego, CA  
American Heart Association's Vascular Discovery/ATVB: From Genes to Medicine Scientific Sessions 2018 / Invited Speaker  
San Francisco, CA  
Annual Mass Spectrometry Symposium, Medical College of Wisconsin / Invited Speaker  
Milwaukee, WI  
Children's Hospital Boston, Margot Kruskall Lecture Series, Invited Speaker  
Boston, MA
- 2019 Versiti Annual Board Member Retreat / Invited speaker

Milwaukee, WI

LSU Health New Orleans School of Medicine Seminar Series / invited speaker

New Orleans, LA

Nationwide Children's Hospital Hematology Grand Rounds / Invited Speaker

Columbus, Ohio

University of Massachusetts, Hematology Grand Rounds / Invited Speaker

Amherst, MA

Case Western Reserve University Hematology Grand Rounds / Invited Speaker

Cleveland, OH

Washington University School of Medicine Medical Grand Rounds / Invited Speaker

St. Louis, Missouri

9th Annual Symposium , Red Cell Genotyping 2019: Patients First

NIH, Bethesda, September 20, 2019

Penn-CHOP Blood Center Seminar Series / Invited Speaker

Philadelphia, PA

2020

Washington University School of Medicine / Invited Speaker

St. Louis, MO

Platelets Conference / Invited Speaker (cancelled) Boston, MA

Boston, MA

Pfizer Atopic Dermatitis Scientific Advisory Board Member Meeting / Invited Speaker (cancelled)

New York, NY

Immune Heme Conference / Invited Speaker (cancelled)

Huston, TX

American Society of Hematology / Invited Speaker ASH Palooza (virtual)

San Diego, CA

Annual Meeting Society for Glycobiology, Invited Speaker

San Diego, CA

Virtual Blood and Bone Series, Invited speaker (virtual)

2021 NHLBI/NIH Biomedicine Lecture Series / Invited Speaker  
Bethesda,  
Medical College of Wisconsin, Cancer Center Speaker Series, Invited Speaker  
Milwaukee, WI

### International

No presentations below were sponsored by outside entities.

2004 University of Copenhagen / Invited Speaker  
Copenhagen, Denmark

2004 Swedish Society of Transfusion Medicine / Invited Speaker  
Lund, Sweden

2004 International Society of Blood Transfusion Congress / Invited speaker  
Edinburgh, Scotland

2005 19<sup>th</sup> Transfusion Medicine Conference / Invited speaker  
Hayama, Japan

2005 Canadian Society of Transfusion Medicine Annual Meeting / Invited speaker  
Banff, Canada

2005 International Society of Thrombosis and Hemostasis / Invited speaker  
Sydney, Australia

2005 Hema-Quebec Medical & Scientific Advisory Committee 15<sup>th</sup> Meeting / Invited speaker  
Saint-Laurent, Quebec, Canada

2006 Center for Blood Research, University of British Columbia / Invited speaker  
Vancouver, British Columbia, Canada

- 2006 54<sup>th</sup> Annual Meeting of Japanese Society of Blood Transfusion / Invited speaker  
Osaka, Japan
- 2006 PEW Scholar annual meeting / Invited speaker  
Costa Rica
- 2007 54<sup>th</sup> Benzon Symposium, Glycosylation: Opportunities in Drug Development / Invited speaker  
Copenhagen, Denmark
- 2009 PEW Scholar annual meeting / Invited speaker  
Puerto Rico
- 2009 University of Gothenburg/Invited speaker  
Gothenburg, Sweden
- 2011 International Society of Thrombosis and Hemostasis / Invited speaker  
Kyoto, Japan
- 2013 International Society of Thrombosis and Hemostasis / Invited speaker  
Amsterdam, Netherlands
- 2014 33<sup>rd</sup> International Congress Of the International Society of Blood Transfusion / Invited Speaker  
Seoul, South Korea  
Oral Communication, Filamin A stabilizes thrombopoietin receptor surface expression and inhibits its degradation (Selected Abstract), 2<sup>nd</sup> EUPLAN Conference  
Bischoffsheim, France  
Plenary Lecture, The Ashwell-Morell receptor regulates hepatic thrombopoietin production via JAK2-STAT3 signaling in vivo and in vitro (Selected Abstract), 56<sup>th</sup> American Society of Hematology Annual Meeting  
San Francisco, CA

Scientific Committee Symposium Presentation, Platelets regulate thrombopoietin production: The missing link, 56<sup>th</sup> Annual Meeting of the American Society of Hematology  
San Francisco, CA

- 2015 Cell Biology of Platelets and Megakaryocytes Gordon Research Conference / Invited speaker  
Lucca, Italy  
Congress of the International Society of Thrombosis and Hemostasis / Invited Speaker and Session Leader  
Toronto, Canada  
30<sup>th</sup> Reunion of the Pew Scholars / Invited Speaker  
Grand Cayman, Cayman Islands, United Kingdom  
University of Cambridge, NHS Blood & Transplant / Invited Speaker  
Cambridge, United Kingdom
- 2016 Sanquin Research and Landsteiner Laboratory, Academic Medical Center / Invited speaker to deliver the “Landsteiner Lecture”  
Amsterdam, Netherlands  
NVB-TRIP Symposium Transusiegeneeskunde / Invited speaker, Plenary Lecture  
Ede, Netherlands  
XII Congreso Argentino de Hemostasia y Trombosis / Invited Speaker  
Buenos Aires, Argentina  
Meeting of the Haematology Society of Australia and New Zealand, Australian and New Zealand Society of Blood Transfusion, and the Australasian Society of Thrombosis and Haemostasis / Invited speaker  
Melbourne, Australia  
Student Symposia, Eureka2016, University of Würzburg / Invited speaker  
Würzburg, Germany
- 2017 International Society on Thrombosis and Haemostasis / Invited Speaker, Erwin Deutsch Plenary Lecture/Transfusion Medicine and Cell Therapies  
Berlin, Germany  
International Society on Thrombosis and Haemostasis / Invited Speaker, Women at the Top: Building a Research Career as an Investigator

Berlin, Germany

International Society on Thrombosis and Haemostasis / Invited Speaker, Meet the Scientist Session: Glycans in Platelet Biology

Berlin, Germany

Amgen, Inc. / Invited Speaker and Discussion Leader

Toronto, Canada

2018

International Society on Thrombosis and Haemostasis Scientific and Standardization Committee Meeting / Invited speaker

Dublin, Ireland

American Heart Association's Vascular Discovery/ATVB: From Genes to Medicine Scientific Sessions 2018 / Invited Speaker

San Francisco, CA

Scientific Committee Symposium Presentation, 60<sup>th</sup> Annual Meeting of the American Society of Hematology / Invited Speaker

San Diego, CA

Scientific Committee Symposium Presentation, 60<sup>th</sup> Annual Meeting of the American Society of Hematology, Planning Committee / Invited Speaker

Washington, DC

Society for Glycobiology Annual Meeting / Invited Speaker

New Orleans, USA

2019

Cell Biology of Megakaryocytes and Platelets Gordon Research Conference / Keynote Speaker

Galveston, TX

Annual American Transplant Congress 2019/ Invited Speaker

Boston, MA

Society for Glycobiology Annual Meeting / Invited Speaker

Phoenix, AZ

2020

Japanese Society of Thrombosis and Hemostasis / Invited Speaker

Osaka, Japan, Virtual

Society for Glycobiology / Invited Speaker (virtual)

San Diego, CA

International Society on Thrombosis and Haemostasis / Invited speaker  
Milan, Italy, cancelled

2021 Isth 2021, State of the Art Presentation / Invited Keynote Speaker  
Philadelphia, PA  
Platelets Conference / Invited Speaker (cancelled)  
Boston, MA

### [Report of Technological and Other Scientific Innovations](#)

Composition and Methods for Prolonging Survival of Platelets	Stossel TP, Hartwig JH, Hoffmeister KM, Clausen H US Patent Number 7241282, issued July 10, 2007 The invention is a simple and easily practiced procedure to modify the glycan (carbohydrate) composition of blood platelet surfaces thereby inhibiting clearance of the platelet from the circulation after a transfusion into a recipient requiring a platelet transfusion.
Improved Platelet Storage and Reduced Bacterial Proliferation in Platelet Products Using a Sialidase Inhibitor	Liu P, Hoffmeister KM U.S. Patent Application No.: 13/474,627
Platelet Additive Solution Having a Sialidase Inhibitor	Liu P, Hoffmeister KM Patent Application No.: 13/474,679
Improved Platelet Storage Using a Sialidase Inhibitor	Liu P, Hoffmeister KM PCT Application No.: PCT/US2012/38462
Platelet Additive Solution Having a Galactosidase inhibitor and a Sialidase Inhibitor	Liu P, Hoffmeister KM U.S. Patent Application No.: 61/710,273

### Report of Scholarship

### [Publications](#)

### [Peer reviewed publications in print or other media](#)

## Research investigations

1. Handt S, **Hoffmeister K**, Wilgenbus K, Kirkpatrick C. EBV in malignant lymphomas. *Verh Dtsch Ges Pathol* 1992;76:194-196.
2. Haubeck HD, Kock R, Fischer DC, van de Leur E, **Hoffmeister K**, Greiling H. TGF, b1, a major stimulator of hyaluronan synthesis in human synovial lining cells. *Arthritis & Rheumatism*. 1995;5:669-673.
3. Blindt P, **Hoffmeister KM**, Bienert H, Pfannschmitt, Bartsch G, Thissen H, Klee D, Vom Dahl J. Development of a new biodegradable intravascular polymer stent with simultaneous incorporation of bioactive substances. *Int J Artif Organs* 1999;120:843-853.
4. **Hoffmeister KM**, Falet H, Toker A, Barkalow KL, Stossel TP, Hartwig JH Mechanisms of cold-in platelet actin assembly. *J Biol Chem*. 2001;276:24751-24759.
5. Falet H, **Hoffmeister KM**, Neujahr R, Hartwig JH. Normal Arp2/3 complex activation in platelets lacking WASp. *Blood*. 2002;100(6):2113-2122.
6. Michaud SE, Wang LZ, Korde N, Bucki R, Randhawa PK, Pastore JJ, Falet H, **Hoffmeister K**, Kuuse R, Uibo R, Herod J, Sawyer E, Janmey PA. Purification of salmon thrombin and its potential as an alternative to mammalian thrombins in fibrin sealants. *Thromb Res*. 2002;107(5):245-254.
7. Falet H, **Hoffmeister KM**, Neujahr R, Italiano JE Jr, Stossel TP, Southwick FS, Hartwig JH. Importance of free actin filament barbed ends for Arp2/3 complex function in platelets and fibroblasts. *Proc Natl Acad Sci U S A*. 2002;99(26):16782-16787.
8. **Hoffmeister KM**, Felbinger TW, Falet H, Denis CV, Bergmeier W, Mayadas TN, von Andrian UH, Wagner DD, Stossel TP, Hartwig JH. The clearance mechanism of chilled blood platelets. *Cell*. 2003;112(1):87-97.
9. Gamulescu MA, Seifert K, Tingart M, Falet H, **Hoffmeister, KM**. Platelet moesin interacts with PECAM-1 (CD31). *Platelets*. 2003;14:211-217.
10. Italiano JE, Bergmeier W, Tiwari S, Falet H, Hartwig JH, **Hoffmeister K**, Andre P, Wagner DD, Shivdasani RA. Mechanisms and implications of platelet discoid shape. *Blood*. 2003;101:4789-4796.
11. Bergmeier W, Burger PC, Piffath CL, **Hoffmeister KM**, Hartwig JH, Nieswandt B, Wagner DD. Metalloproteinase inhibitors improve the recovery and hemostatic function of in vitro aged or injured mouse platelets. *Blood*. 2003; Dec 1;102(12):4229-4235.
12. **Hoffmeister KM**, Josefsson EC, Isaac NA, Clausen H, Hartwig JH, Stossel TP. Glycosylation restores survival of chilled blood platelets. *Science*. 2003;301:1531-1534.
13. El-Hashemite N, Zhang H, Walker V, **Hoffmeister KM**, Kwiatkowski DJ. Perturbed IFN $\gamma$ -Jak-Stat Signaling in Tuberous Sclerosis Mouse Models: Synergistic effects of rapamycin-IFN $\gamma$  treatment.



Cancer research. *Cancer Res.* 2004;64:3436-3443.

14. Josefsson EC, Gebhard HH, Stossel TP, Jartwig JH, **Hoffmeister KM**. The macrophage  $\alpha_M\alpha_2$  integrin  $\alpha_M$ -lectin domain mediates the phagocytosis of chilled platelets. *J. Biol. Chem.* 2005;280:18025-18032.
15. Babic AM, Josefsson EC, Bergmeier W, Wagner DD, Kaufman RM., Silberstein LE, Stossel TP, Hartwig JH, **Hoffmeister KM**. In vitro function and phagocytosis of galactosylated platelet concentrates following long-term refrigeration. *Transfusion*, 2007;47(3):442-451.
16. Josefsson. EC, Hartwig JH, **Hoffmeister KM**. Platelet Storage Temperature – How Low Can We Go? *Transfusion Medicine and Hemotherapy* 2007;34:253-261.
17. Wandall HH, **Hoffmeister KM**, Sorensen AL, Rumjantseva V, Clausen H, Hartwig JH, Slichter SJ. Galactosylation does not prevent the rapid clearance of long-term 4°C stored platelets. 2008 Mar 15;111(6):3249-3256.
18. Patel-Hett S, Richardson JL, Schulze H, Drabek K, Isaac NA, **Hoffmeister K**, Shivdasani RA, Bulinski JC, Galjart N, Hartwig JH, Italiano JE Jr. Visualization of microtubule growth in living platelets reveals a dynamic marginal band with multiple microtubules. *Blood*. 2008 May 1;111(9):4605-4616.
19. Sørensen AL, **Hoffmeister KM**, Wandall HH. Glycans and glycosylation of platelets: current concepts and implications for transfusion. *Curr Opin Hematol.* 2008;15(6):606-611.
20. Sørensen AL, Rumjantseva V, Nayeb-Hashemi S, Patel-Hett S, Richardson J, Italiano, Jr JE, Clausen H, Hartwig JH, Wandall, HH and **Hoffmeister KM**. Role of sialic acid for platelet lifespan: exposure of  $\beta$ galactose results in the rapid clearance of platelets from the circulation by asialoglycoprotein receptor-expressing liver macrophages and hepatocytes. *Blood*, 2009 Aug 20;114(8):1645-1654.
21. Falet H, Marchetti MP, **Hoffmeister KM**, Massaad MJ, Geha RS, Hartwig JH. Platelet-associated Ig-As and impaired GPVI responses in platelets lacking WIP. *Blood*, 2009 Nov 19;114(21):4729-4737.
22. Rumjantseva V, Grewal PK, Wandall HH, Josefsson EC, Sørensen AL, Larson G, Marth JD, Hartwig JH, **Hoffmeister KM**. Dual roles for hepatic lectin receptors in the clearance of chilled platelets. *Nature Medicine*, 2009 Nov;15(11):1273-1280.
23. Thon JN, Montalvo A, Patel-Hett S, Devine MT, Richardson JL, Ehrlicher A, Larson MK, **Hoffmeister K**, Hartwig JH, Italiano JE Jr. Cytoskeletal mechanisms of proplatelet and platelet release. *J Cell. Biol.* 2010 No(5) Nov 15;191(4):861-874.
24. Rumjantseva V, **Hoffmeister KM**. Novel and unexpected clearance mechanisms for cold platelets. *Transfus Apher Sci.* 2010 Feb;42(1):63-70.
25. Grozovsky R, **Hoffmeister KM**, Falet H. Novel clearance mechanisms of platelets. *Curr Opin Hematol.* 2010 Nov;17(6):585-589.

26. Jurak Begonja A, **Hoffmeister KM**, Hartwig JH, Falet H. FlnA-null megakaryocytes prematurely large and fragile platelets that circulate poorly. *Blood*. 2011 Aug 25;118(8):2285-2295.
27. **Hoffmeister KM**. The role of lectins and glycans in platelet clearance. *Journal Thromb. Hemostasis* 2011 Jul;9 Suppl 1:35-43.
28. Jansen AJ, Josefsson EC, Rumjantseva V, Liu QP, Falet H, Bergmeier W, Cifuni SM, Sackstein R, von Andrian UH, Wagner DD, Hartwig JH, **Hoffmeister KM**. Desialylation accelerates platelet clearance after refrigeration and initiates GPIb $\alpha$  metalloproteinase-mediated cleavage in mice. *Blood*. 2012 Feb 2;119(5):1263-1273.
29. Muehlschlegel JD, Perry TE, Liu KY, Fox AA, Smith SA, Lichtner P, Collard CD, Shernan SK, Hartwig JH, Body SC, **Hoffmeister KM**. Polymorphism in the protease-activated receptor-4 gene region associates with platelet activation and perioperative myocardial injury. *Am J Hematol*. 2012 Feb;87(2):161-166.
30. Wandall HH, Rumjantseva V, Sørensen AL, Patel-Hett S, Josefsson EC, Bennett EP, Italiano JE Jr, Clausen H, Hartwig JH, **Hoffmeister KM**. The origin and function of platelet glycosyltransferases. *Blood*. 2012 Jul 19;120(3):626-635. PMID: 22613794.
31. **Hoffmeister KM**. Death regulates platelet birth and life. *Blood* 2012, 119(24):5617-5618.
32. Kim H, Falet H, **Hoffmeister KM**, Hartwig JH. Wiskott-Aldrich Syndrome Protein (WASp) Controls the Delivery of Platelet Transforming Growth Factor- $\beta$ 1. *J Biol Chem*. 2013 Nov 29;288(48):34352-34363.
33. Liu ZJ, **Hoffmeister KM**, Hu Z, Mager DE, Ait-Oudhia S, Debrincat MA, Pleines I, Josefsson EC, Kile BT, Italiano J Jr, Ramsey H, Grozovsky R, Veng-Pedersen P, Chavda C, Sola-Visner M. Expansion of the neonatal platelet mass is achieved via an extension of platelet lifespan. *Blood* 2014 May 29;123(22):3381-3389. doi: 10.1182/blood-2013-06-508200. PMID: 24599546.
34. Grozovsky R, Jurak Begonja A, Liu K, Visner G, Hartwig JH, Falet H, **Hoffmeister KM**. The Ashwell-Morell receptor regulates hepatic thrombopoietin production via JAK2-STAT3 signaling. *Nat Med* 2015, 21, 47–54; doi: 10.1038/nm.3770. PMID: 25485912.
35. Bender M, Giannini S, Jönsson T, Grozovsky R, Mullally A, Christensen H, Pluthero FG, Kahr WHA, Hartwig JH, **Hoffmeister KM**, Falet H. Dynamin 2-dependent endocytosis regulates platelet formation and Mpl signaling. *Blood*. 2015 Feb 5;125(6):1014-1024.
36. Jurak Begonja A, Pluthero FG, Suphamongmee W, Giannini S, Christensen H, Leung R, Lo R, Nakamura F, Lehman W, Ploman M, **Hoffmeister KM**, Kahr WHA, Hartwig JH, Falet H. FlnA binding to PAACSIN2 F-BAR domain regulates membrane tabulation in megakaryocytes and platelets. *Blood* 2015, July 2, 126 (1), 80-88 doi: <http://dx.doi.org/10.1182/blood-2014-07-587600>
37. Grozovsky R, Giannini S., Falet H, **Hoffmeister KM**. Regulating billions of platelets, *Blood*, 2015, *Blood*. 2015 Sep 1. pii: blood-2015-01-569129.

38. Spitalnik SL, Triulzi D, Devine DV, Dzik WH, Eder AF, Gernsheimer T, Josephson CD, Kor DJ, Luban NL, Roubinian NH, Mondoro T, Welniak LA, Zou S, Glynn S; State of the Science in Transfusion Medicine Working Groups. 2015 proceedings of the National Heart, Lung, and Blood Institute's State of the Science in Transfusion Medicine symposium. *Transfusion*. 2015 Sep;55(9):2282-2290.
39. Li J, van der Wal DE, Zhu G, Xu M, Yougbaré I, Ma L, Vadasz B, Carrim N, Grozovsky R, Ruan M, Zhu L, Zeng Q, Tao L, Zhai Z, Peng J, Hou M, Leytin V, Freedman J, **Hoffmeister KM**, and Ni H. Desialylation is a novel mechanism of Fc-independent platelet clearance and therapeutic target in immune thrombocytopenia, *Nat. Communications*, 2015, 2015 Jul 17;6:7737. doi: 10.1038
40. Grozovsky R, Giannini S., Falet H., **Hoffmeister KM**. Novel mechanisms of platelet clearance and thrombopoietin production, *Curr. Opin. Hematol.* 2015, Sep;22(5):445-451.
41. Grozovsky R, Giannini S, Falet H, **Hoffmeister KM**. Desialylated platelets: a missing link in hepatic thrombopoietin regulation, *The Hematologist* 2015; 12(3): 6-7.
42. Li R., **Hoffmeister, KM**, Falet H. Glycans and the platelet life cycle. *Platelets*, 2016, Sep;27(6):505-511
43. **Hoffmeister, KM.**, Falet H., Platelet clearance by the hepatic Ashwell-Morell receptor: mechanisms and biological significance, *Thromb. Research*, 2016, May;141 Suppl 2:S68-72
44. Lee-Sundlov MM, Ashline DJ, Hanneman AJ, Grozovsky R, Reinhold VN, **Hoffmeister KM**, Lau JT. Circulating blood and platelets supply glycosyltransferases that enable extrinsic extracellular glycosylation. *Glycobiology*. 2017 Jan;27(2):188-198.
45. Fischer K, Otori S, Meral FC, Uehara M, Giannini S, Ichimura T, Smith RN, Jolesz FA, Guleria I, Zhang Y, White PJ, McDannold NJ, **Hoffmeister KM**, Givertz MM, Abdi R. Testing the Efficacy of Contrast-Enhanced Ultrasound in Detecting Transplant Rejection Using a Murine Model of Heart Transplantation. *Am J Transplant*. 2017 Jul;17(7):1791-1801.
46. Chen, W, Druzak SA, Wang Y, Josephson CD, **Hoffmeister KM**, Ware J, Li R. Refrigeration-induced binding of von Willebrand factor facilitates fast clearance of refrigerated platelets. *Arterioscler Thromb. Vasc. Biol.* 2017 Dec;37(12):2271-2279.
47. **Hoffmeister KM**. TPO-logy accepted. *Blood*. 2018 Aug 9;132(6):555-557.
48. Irons EE, Lee-Sundlov MM, Zhu Y, Neelamegham S, **Hoffmeister KM**, Lau JT. B cells suppress medullary granulopoiesis by an extracellular glycosylation-dependent mechanism. *Elife*. 2019 Aug 13;8. pii: e47328. doi: 10.7554/eLife.47328.
49. Giannini, S., Lee-Sundlov MM, Rivadeneyra, L., Di Buduo, CA, Burns, R, Lau, JT, Falet, H, Balduini A, **Hoffmeister, KM**.  $\beta$ 4GALT1 controls  $\beta$ 1 integrin function to govern thrombopoiesis and hematopoietic stem cell homeostasis. *Nat. Communications*, 11, (1), 356 2020 Jan 17 2020
50. Wang, Y, Chen, W, Zhang, W, Lee-Sundlov MM, Casari, C, Berndt, MC, Lanza, F, Bergmeier, W **Hoffmeister, KM**, Zhang, FX, Li, R. Desialylation of O-glycans on glycoprotein Iba drives receptor

signaling and platelet clearance, *Haematologica*, 2020 Jan 23

51. Lee-Sundlov, MM., Stowell SR, **Hoffmeister KM**. Multifaceted role of glycosylation in transfusion medicine, platelets, and red blood cells. *J. Thromb Haemostasis*, 2020, Jul;18(7):1535-1547.
52. Anani W, Ashwood HE, Schmidt A, Burns RT, Denomme GA, **Hoffmeister KM**. Predictive modeling of complex ABO glycan phenotypes by lectin microarrays, *Blood Advances* 2020 Aug 25;4(16):3960-3970.
53. DeHelian, D, Gupta, S, Wu, J, Thorsheim, C, Estevez, B, Cooper, M, Litts, K, Lee-Sundlov, MM, **Hoffmeister, KM**, Poncz, M, Ma, P, Brass, LF. RGS10 and RGS18 differentially limit platelet activation, promote platelet production, and prolong platelet survival. *Blood* 2020 Oct 8;136(15):1773-1782.
54. Di Buduo CA, Abbonante V, Rosti, V, **Hoffmeister KM**, Balduini A. Increased  $\beta$ 4GALT1 expression associates with platelet surface galactosylation and thrombopoietin plasma levels in MPNs, *Blood* 2020, doi: 10.1002/hep.31698
55. Lee-Sundlov, MM, Burns RT, Grozovsky R, Giannini S, Rivadeneyra L, Zheng Y, Glabere SH, Kahr WHA, Abdi R, Wang D, **Hoffmeister KM**. Plasmacytoid dendritic cells surveil megakaryocyte sialic acid to regulate thrombopoiesis. *Blood*, 2021, <https://doi.org/10.1182/blood.2020008238>
56. Ashwood H, Ashwood C, Schmidt AP, Gundry LH, **Hoffmeister KM**, Anani W. Characterization and statistical modeling of glycosylation changes in sickle cell disease. *Blood Adv.* 2021 Mar 9;5(5):1463-1473. doi: 10.1182/bloodadvances.2020003376.
57. Reusswig FWB, et al., Efficiently restored thrombopoietin production via AMR and IL-6R induced hepatic JAK2-STAT3 signaling early after partial hepatectomy. *Hepatology*. 2021 Jul;74(1):411-427. doi: 10.1002/hep.31698. Epub 2021 Jun 4.
58. Simpson EL, Silverberg JI, Nosbaum A, Winthrop KL, Guttman-Yassky E, Hoffmeister KM, Egeberg A, Valdez H, Zhang M, Farooqui SA, Romero W, Thorpe AJ, Rojo R, Johnson S. Integrated Safety Analysis of Abrocitinib for the Treatment of Moderate-to-Severe Atopic Dermatitis From the Phase II and Phase III Clinical Trial Program. *Am J Clin Dermatol*. 2021 Sep;22(5):693-707. doi: 10.1007/s40257-021-00618-3. Epub 2021 Aug 18.

[Non-peer reviewed scientific or medical publications/materials in print or other media](#)

[Reviews:](#)

**Hoffmeister KM**, Hartwig JH. Platelet Transfusion: The cooler the better? *Transfusion Medicine and Hemotherapy*. 2003;30:172-178.

**Hoffmeister KM.** The never-ending enigma of immune thrombocytopenia. *Blood*. 2020 Jun 18;135(25):2207-2209.

### [Book Chapters](#)

Falet. H., Hoffmeister, KM. Platelet glycoproteins as lectins in hematology. *The Sugar Code*. (Ed.: Gabius, HJ), Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, 2008.

**Hoffmeister KM**, The role of Glycans in Platelet Biology. In *Platelets*, 4<sup>th</sup> Edition (Ed. Mickelson A., Co-Ed. Newman P, Freiliner L. and Cattaneo M., Ch

Sackstein R, Esko J, Stowell, SR, **Hoffmeister KM**. *Essentials of Glycobiology*, 4<sup>th</sup> edition, Ch 41 Glycans in Systemic Physiology,

**Hoffmeister KM**, Esko J, Stowell, SR, Sackstein R. *Essentials of Glycobiology*, 4<sup>th</sup> edition, 4<sup>th</sup> edition, Ch 46, Glycans in Acquired Human Diseases

### [Thesis](#)

1. Hoffmeister K. Comparison of in-situ hybridization and polymerase chain reaction to evidence of Epstein Barr viruses in Hodgkins and non-Hodgkins lymphomas. 1995, doctoral thesis, PhD equivalent