



## Dr. Waseem Nasr

### Assistant Professor in Hematology, Medical Scientist

#### PROFILE

I am Waseem Nasr a graduate of Leipzig University-Germany with doctorate degree in Hematology , Internal Oncology and Cell Therapy. Moreover, I attained my master's (2014) and bachelor's First class (2011) degrees in Medical Laboratory Sciences specialized in Hematology and Immunohematology from University of Khartoum-Sudan. Upon my graduation as the top of my batch and the best academic performance I was employed at University of Khartoum (Tenure track) as a teaching assistant then have been promoted to Assistant professor in Hematology in Dec 2020. I am very attentive to scientific researches as well medical laboratory diagnostics and transferring knowledge (teaching). My main interest is Hemato-oncology , Immuno-therapy, Stem cell Biology , Metabolism ,Cell signaling, Genomics and cancer research.

#### PERSONAL INFORMATION

**Name**

Waseem Nasr

**Birthdate**

05.02.1989

**Gender**

Male

**Nationality**

Sudanese

**Language (s)**

Arabic (Mother tongue)

English (Fluent)

German (Basic)

#### EDUCATION

2016 - 2020	<b>Promotion, PhD</b> University of Leipzig , Leipzig, Germany Faculty of Medicine /Internal Medicine, Hematology, Internal Oncology, Cell Therapy and Hemostasisiology
2012 - 2014	<b>Master of Science (M.Sc.)</b> University of Khartoum , Khartoum , Sudan Faculty of Medical Laboratory Sciences Hematology and Immunohematology
2005 - 2010	<b>Bachelor of Science (B.Sc. First class)</b> University of Khartoum , Khartoum , Sudan Faculty of Medical Laboratory Sciences Hematology and Immunohematology

#### CONTACT

Leipzig ,Germany  
Khartoum, Sudan

+49 176 69507557  
Whatsup:00249918020000

waseem137@hotmail.com  
waseem@uofk.edu  
waseem.nasr@medizin.uni-leipzig.de

## EXPERIENCE

2021- Present	<b>Cinccinati Children's Hospital Medical Centre - Cinccinati, Ohio, USA</b> <u>Postdoctoral Research Fellow in Hematology</u>
Nov2020- Present	<b>University of Khartoum, Khartoum, Sudan</b> <u>Assistant Professor in Hematology</u>
Feb2020-Sep2020	<b>University of Leipzig, Leipzig, Germany</b> <u>Postdoc Research Associate</u>
2016 - 2020	<b>University of Leipzig</b> Institute of Clinical Immunology Unit of Hematology, Cell Therapy and Internal oncology, Stem Cell Biology , PhD student and Research Associate
2014 - 2020	<b>University of Khartoum</b> Faculty of Medical Laboratory Sciences <u>Lecturer in Hematology and Transfusion Medicine</u>
2012 - 2015	<b>EUROIMMUN AG distributor , K BIO Analytica</b> Khartoum, Sudan <u>Scientific Office Supervisor</u>
2012 - 2015	<b>El Rayan Specialized Laboratory</b> Hematology Department, Khartoum, Sudan <u>Biomedical Scientist (Diagnosis)</u>
2012 - 2016	<b>University of Khartoum</b> Faculty of Medical Laboratory Sciences , Khartoum, Sudan <u>Secretary of Hematology Department</u> (Managerial position)
2013 - 2016	<b>National Collage for Medical and Technical Studies (National University)</b> Department of Hematology , Khartoum, Sudan <u>Teaching Assistant then Lecturer in</u> <b>University of Khartoum</b>
2012 - 2014	Faculty of Medical Laboratory Sciences, Teaching Assistant

## SCHOLARSHIP,HONOURS AND AWARDS

- ❖ PhD Scholarship holder from The Higher Ministry of Education and Scientific Research - Republic of Sudan (Jan2016-Dec2019)
- ❖ Obtained 3 University prizes as the top of the class and the best academic performance 2006 , 2009 and 2011- University of Khartoum
- ❖ Obtained 3 Colleges prizes in 3 consecutive years 2006,2007 and 2008 - University of Khartoum
- ❖ German StemCell Network GSCN Travel award 2017(<http://gscn.org/Conferences/2017/Awards.aspx>)

## MEMBERSHIPS

- ❖ Member of German StemCell Network(GSCN)
- ❖ Member of Sudan National Council for Medical and Health Professions
- ❖ Member of Sudanese Union Clinical Laboratory Science

## COURSE

Dec 2019 to Jan 2020	<b>Supervision of Academic Theses</b> <i>Leipzig Research Academy , Leipzig , Germany</i>
Nov 2019 to Dec 2019	<b>R Extended :From the First Steps to Advanced Data Visualisation</b> <i>University of Leipzig, Leipzig ,Germany</i>
Feb 22 2017	<b>Writing Thesis using MC- Word (3 teaching units)</b> <i>University of Leipzig, Leipzig ,Germany</i>
Dec 14 2016	<b>Scientific databases in life science (4 teaching units)</b> <i>University of Leipzig, Leipzig ,Germany</i>
Nov 23 2016	<b>Reference management system Citavi (9 teaching units)</b> <i>University of Leipzig, Leipzig, Germany</i>
Jan 12 2015 to Jan 26, 2015	<b>Coordinator for students training in HLA typing</b> <i>Institute for medical Research(IMR) Lab , Kuala Lumpur- Malaysia</i>
May 12, 2014 to May 31, 2014	<b>Training at Stem Cell Research Laboratory SOOCHOW UNIVERSITY, SOOCHOW, CHINA</b>
2012	<b>Attended to Development Center Courses- University of Khartoum (Educational Technology, Evaluation and Measurements, Teaching Methodology and Research methodology, and Advance English</b> <i>University of Khartoum, Khartoum , Sudan</i>
Nov 24, 2013 to Nov 28, 2013	<b>Basic Molecular Biology and Bioinformatics course</b> <i>Faculty of Medical Laboratory Sciences, University of Khartoum, Khartoum , Sudan</i>
Apr 15, 2012 to Jul 15, 2012	<b>Basic Molecular Biology course</b> <i>Faculty of Medical Laboratory Sciences, University of Khartoum, Khartoum , Sudan</i>

## PROFESSIONAL SKILLS

- ❖ Diagnostic Laboratory Hematology
- ❖ Using of classical and advanced Hematological Techniques
- ❖ Microscopy
- ❖ Cell culture Biology including cell lines and primary cells umbilical cord blood , Bone marrow , leukemia patient's samples ...etc
- ❖ Functional assays for Hematopoietic stem cells
- ❖ Fluorescence in situ Hybridization Technique FISH cytogenetic
- ❖ Expert in Flowcytometry ,analysis of Surface markers, cell cycles and Phosflow intracellular staining, multi-color flowcytometry.
- ❖ Convention and real time PCR, gel electrophoresis and DNA visualization)
- ❖ Cell Cloning and lentiviral transduction technique
- ❖ Immuno Fluorescence Technique
- ❖ (Westernblot/Euroline and ELISA Techniques)
- ❖ ATP assay Bioluminescence
- ❖ Data entry, management and analysis using statistical packages (SPSS, STATA, R studio, Prism, Citavi, Endnote,..etc)
- ❖ Questionnaires design, filling and writing of proposals , grants and scientific articles
- ❖ Microsoft office, Adobe Acrobat, Adobe Captivate,...etc
- ❖ Experienced use of desktop and laptop computers and softwares.

## ONGOING PROJECTS

- ❖ Metabolism of Hematopoietic Stem Cells and Progenitors Cells (Leipzig- Germany)
- ❖ Effect of Osmolarity on Hematopoietic Stem Cell and Progenitors Cells (Leipzig- Germany)
- ❖ Effect of Nicotinamide on Hematopoietic stem cell and Progenitors cells (Leipzig- Germany)
- ❖ Involvement of Nme2 on BCR/ABL/STAT5 signaling and leukaemogenesis of CML (Leipzig- Germany)
- ❖ Molecular Diagnosis of chronic B Lymphoproliferative Disorders (Khartoum-Sudan)
- ❖ Antinuclear antigens (ANA profile) among patients with autoimmuno diseases using Immunofluorescence and mmune blot techniques (Khartoum-Sudan)
- ❖ Evaluation of D dimer among patients with Lung Cancer in Sudan (Khartoum-Sudan)

## CONFERENCES ATTENDED

Jan 18, 2019	<b>15th Research Festival Leipzig 2019</b> <i>University of Leipzig, Leipzig , Germany</i>
2018 (19th Feb-2 1st Feb)	<b>6th Annual German StemCell Network(GSCN) conference</b> <i>German Cancer Research Center (DKFZ) – Heidelberg, Germany</i>
2017 (11th Feb-1 3th Feb)	<b>5th Annual German StemCell Network(GSCN) conference</b> <i>The Leibniz Institute on Aging – Fritz Lipmann Institute e.V. (FLI) at the Friedrich Schiller University – Ernst Abbe Campus- Jena</i>

- 2016 (12th Feb-16th Feb) **4th Annual German StemCell Network(GSCN) conference**  
*Hannover Medical School.- Hannover, Germany*
- 2015 (15th Feb-2nd Feb) **Conference of Graduate Studies & Scientific Research**  
*University of Khartoum, Friendship Hall, Khartoum Sudan*
- 2013 (6th-9th December) **The 1st International Conference of Medical Laboratory in Sudan, in association with the 3rd International Conference of Federation of African Associations of Medical Laboratory Scientists**  
*University of Khartoum, Friendship Hall, Khartoum, Sudan.*
- 2011 (27th Feb-2nd Mar) **Conference of Graduate Studies & Scientific Research**  
*University of Khartoum, Friendship Hall, Khartoum Sudan*
- 2010 (27th Feb-2nd Mar) **Conference of Graduate Studies & Scientific Research,**  
*University of Khartoum, Friendship Hall, Khartoum, Sudan*
- 2010 **Participated in video conference about Epstein-Barr virus EBV**  
*EUROIMMUN, Lubeck Germany*

## THESIS(S)

### PhD/Promotion theses, University of Leipzig, Germany

Nasr,W.M. 2019. Metabolic Environment and Cellular Signaling in Hematopoietic Stem Cells and Progenitor Cells.

### Open access Theses/ Dissertation

<https://oatd.org/oatd/search?q=id%3A%22oai%3Aqucosa%3Ade%3Aqucosa%3A38578%22>

<https://nbn-resolving.org/urn:nbn:de:bsz:15-qucosa2-385784>

URN Qucosa urn:nbn:de:bsz:15-qucosa2-385784

### M. Sc. Theses, University of Khartoum, Sudan

Nasr,W.M. 2014. The Molecular cytogenetics study of 14q32 translocations in B- Chronic Lymphoproliferative disorders.

### B. Sc. Theses, University of Khartoum, Sudan

Nasr, W.M. 2010. Infectious status and clinical significance of Epstein –Barr Virus infection among patients with Lymphoproliferative disorders in Sudan.

## PUBLICATIONS / POSTERS CONFERENCES / SUBMITTED ARTICLE

### Articles/Paper

- ❖ **Nasr, W.**, Fabian, C., Arnold, K. et al. Nicotinamide Inhibits Self-renewal and Induces Granulocyte Differentiation of Multipotent Progenitor Cells. *Stem Cell Rev and Rep* (2020). <https://doi.org/10.1007/s12015-020-10019-4> (Impact Factor 5.316/2019)

### Posters

- ❖ **5th Annual German StemCell Network(GSCN) conference , Jena ,Germany.**  
Metabolic environment of Hematopoietic Stem cells and Progenitor cells - Normal and Leukaemic  
**Waseem M.A. Nasr,\* ,** Nicole Noack, Dietger Niederwieser, Sunna Hausschildt, Ulrich Sack and Michael Cross
- ❖ **6th Annual German StemCell Network(GSCN) conference ,Heidelberg, Germany**  
Hematopoietic progenitors selectively maintain the pSTAT5 self-renewal response to Interleukin-3 (IL-3) in low energy environments  
**Waseem M.A. Nasr,\* ,** Nicole Noack, Enrica Bach, Dietger Niederwieser, Uwe Platzbecker, Sunna Hausschildt, Ulrich Sack and Michael Cross1
- ❖ **15. Research Festival Leipzig 2019**  
Hematopoietic progenitors selectively maintain the pSTAT5 self-renewal response to Interleukin-3 (IL-3) in low energy environments  
**Waseem M.A. Nasr,\* ,** Nicole Noack, Enrica Bach, Dietger Niederwieser, Uwe Platzbecker, Sunna Hausschildt, Ulrich Sack , and Michael Cross

### Manuscript

- ❖ **Ready for submission (2021)**  
**Jak-STAT signaling from the IL-3 receptor is maintained under low energy conditions by the nucleoside diphosphate kinase Nme2 in hematopoietic progenitor cells**  
**Waseem Nasr\***, Nicole Noack, Enrica Bach, Christian Böhme, Alexander Wurm, Dietger Niederwiese, Uwe Platzbecker, Sunna Hauschildt, Ulrich Sack, Michael Cross

## REFEREES

**1/ Prof. Dr.med. Ulrich Sack,**  
Clinical Immunologist  
Institut of Clinical Immunology  
University of Leipzig  
Faculty of Medicine  
Johannisallee 30  
D-04103 Leipzig  
Ulrich.Sack@medizin.uni-leipzig.de

**2/ Dr. habil. Michael Cross, PhD**  
Head of Stem cell Biology Unit and Research Laboratory  
University of Leipzig  
Faculty of Medicine  
Department of Hematology and Cell Therapy José Carreras Research  
Laboratory Johannisallee 32A  
04103 Leipzig, Germany  
Tel: +49 (0)341 9713031 Fax: +49 (0)341 9713059  
E-Mail:  
crossm@medizin.uni-leipzig.de

**3/Prof. Dr.med. Uwe Platzbecker,**  
Director of Haematology , Internal Oncology and Cell Therapy  
Consultant for Internal Medicine  
University of Leipzig  
University Clinical Leipzig  
Department of Hematology and Cell Therapy José Carreras Research  
Laboratory Johannisallee 32A  
04103 Leipzig, Germany  
Uwe.Platzbecker@medizin.uni-leipzig.de Telefon: 0341/9713050 Fax:  
0341/9713059

**4/ Dr. Enaam Hussein, PhD,**  
Assistant Professor in Hematology  
Deputy Dean  
Faculty of Medical Laboratory Sciences University of Khartoum  
Email: enaam.hussein@uofk.edu  
PO BOX 123 ,Khartoum,Sudan  
Tel:00249912668660