

## **PERSONAL INFORMATION**

Family name, First name: Dahlman-Wright, Karin

Born: 9/10-1961

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Institution/department: Karolinska Institutet, Dept of Biosciences and Nutrition

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## **• EDUCATION**

- 1996 Docent, Karolinska Institutet, Stockholm, Sweden.
- 1993 PostDoc, Karolinska Institutet, Dept. of Biosciences, Huddinge, Sweden.
- 1991 Ph.D., Molecular Endocrinology, Karolinska Institutet, Stockholm, Sweden.
- 1986 First degree, Chemical engineering, Chalmers university of Technology, Gothenburg, Sweden.

## **• CURRENT POSITION(S)**

- 2015 – pres. Deputy Dean of Infrastructure, Karolinska Institutet, Stockholm, Sweden.
- 2009 – pres. Professor of Molecular Endocrinology, Karolinska Institutet, Stockholm, Sweden
- 2000 – pres. Group leader at the Department of Biosciences and Nutrition, Karolinska Institutet, Huddinge, Sweden.
- 2010 – pres. Scientific Director for the Bio-informatics and Expression analysis core facility at the Karolinska Institutet.

## **• PREVIOUS POSITIONS**

- 2009 – Aug 2015 Head of Department, Department of Biosciences and Nutrition, Karolinska Institutet, Huddinge, Sweden.
- 2013 – June 2015 KI Scientific Director, SciLifeLab, Stockholm, Sweden. Part of the SciLifeLab operative management team with special responsibility for the national platforms.
- 2006 – 2008 Vice Head, Department of Biosciences and Nutrition, Karolinska Institutet.
- 2000-2010 Head of the Bio-informatics and Expression analysis core facility at the Karolinska Institutet.
- 1998 – 2000 Group Leader, Department of Biology, Research, Pharmacia and Upjohn. During this time also project leader for two target identification projects.
- 1997 Section Leader, Pharmacia and Upjohn.
- 1995 – 1996 Group Leader, Pharmacia and Upjohn. During this time also project leader for a drug development project.
- 1991 – 1995 Post doc and research assistant (financed by the Swedish Research Council) at the Department of Biosciences, Karolinska Institutet.

• **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

***Main supervisor of PhD students (date of dissertation or half-time review)***

Maria Nilsson (1/12, 2006), Hui Gao (15/12, 2006), Lovisa Lundholm (7/12, 2007), Milica Putnik (25/5, 2012), Nina Gustafsson (14/9, 2012), Li Xu (22/11-2013), Jian Zhu (11/9-2015), Amirhossein Kharman Biz (half-time review 21/1-2014).

***Co-supervisor of PhD students (date of dissertation, half-time review or registration)***

Indranil Sinha (12/2-2010), Gayathri Chandrasekar (31/1-2011), Elham Karimian (4/6-2010), Sofia Rodríguez Vásquez (14/2-2014), Peik Brundin (reg. 17/8-2009), Yichun Qiao (half-time review 6/11-2014), Ning Liang (reg. 6/12-2012).

***Supervision of postdocs***

Anu Moilanen 1999-2000

Moraima Zelada-Hedman 2000

Michio Otsuki 2000-2003

Gudrun Toresson 2000- 2008 (Most recently senior scientist)

Chunyan Zhao 2001- Now senior scientist

Susann Fält 2006-

Yawen Liu Jan 2007-Jan 2008

Hui Gao Dec 2006-Oct 2007, Oct 2008-

Zoi Papoutsi Oct 2007- Aug 2010

Marco Matic Mar 2010 – Sept 2012

Min Jia Jan 2012 -

Lucia Bialešová Oct 2014 -

• **INSTITUTIONAL RESPONSIBILITIES**

2009 – Aug 2015	Head of Department, Department of Biosciences and Nutrition, Karolinska Institutet, Huddinge, Sweden.
2013 – June 2015	KI Scientific Director, SciLifeLab, Stockholm, Sweden. Part of the SciLifeLab operative management team with special responsibility for the national platforms.
2006 – 2008	Vice Head, Department of Biosciences and Nutrition, Karolinska Institutet

• **COMMISSIONS OF TRUST (selected list)**

2015	Member of the European Spallation Source (ESS) reference group ( <a href="http://www.vr.se/nyheterpress/nyheter2015/vetenskapsradetsreferensgruppfor-spallationskallanessutsedd.5.24efe75715067bdbaca8c213.html">http://www.vr.se/nyheterpress/nyheter2015/vetenskapsradetsreferensgruppfor-spallationskallanessutsedd.5.24efe75715067bdbaca8c213.html</a> ).
2015-	Member of the Karolinska Institutet, Astra Zeneca joint steering committee.
2013-	Member of the SciLifeLab Stockholm Steering group ( <a href="http://www.scilifelab.se/about-us/organization/">http://www.scilifelab.se/about-us/organization/</a> )
2015	Member of the Karolinska Institutet-Stockholm County Council infrastructure
2007-2008	council.
2015	Member of the priority committee for core facilities at the Karolinska
2008-2011	Institutet.
2006	
2011	Appointed by the Research Council of Norway as evaluator of Norwegian

- research.
- 2006-2008 Member of the steering committee for the DECS PhD student programme.
- 2006-2008 Chairman of the priority committee for Biotechnology within The Swedish Research Council.
- 2006 Chairman of the priority committee for post doc positions at the Karolinska Institutet.
- 2004 – Vice chairman of the priority committee for Biotechnology within The  
2005 Swedish Research Council.
- 2004 Member of the evaluation committee for Centers of excellence within The Swedish Research Council.
- 2004 - Appointed by the government as “sakkunnig” in certain patent issues
- 2003 Member of the priority committee for Biotechnology within The Swedish Research Council.
- 2005 Member of the priority committee for post doc positions at the Karolinska  
2002 Institutet
- 2001
- 2002-2005 Member of the department council, the Department of Biosciences,  
Karolinska Institutet, Huddinge
- 2003-2005 Member of the graduate student committee, the Department of Biosciences,  
Karolinska Institutet, Huddinge.

Have reviewed applications at the national and international level, in addition to these specified above, including the Biotechnology programme at Umeå University, the French Research Agency and the French Genoscope, Nordforsk and the Israeli Science foundation. Have been a member of more than 20 dissertation committees

Appointed by the government to the committee to follow up patent protection in the field of biotechnology. Final report in March 2008.

Member of the steering committee for the collaboration between Karolinska Institutet and Affymetrix.

Member of the steering committee for the Karolinska Institutet Bio bank.

#### • **ORGANIZATION OF SCIENTIFIC MEETINGS**

- 2008 Organizer of the 52th Nobel Conference on “Recent advances in understanding estrogen signalling: From molecular insights to clinical applications”.
- 2006 On the Planning and Organizing Committee for the European endocrine society meeting.
- 2001 Organizer of the CBT summer school.

#### • **LEADERSHIP EXPERIENCE (selected list)**

- 2015 – pres. Deputy Dean of Infrastructure, Karolinska Institutet, Stockholm, Sweden.
- 2009 – pres. Professor of Molecular Endocrinology, Karolinska Institutet, Stockholm, Sweden
- 2000 – pres. Group leader at the Department of Biosciences and Nutrition, Karolinska Institutet, Huddinge, Sweden.
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- 2009 – Aug 2015 Head of Department, Department of Biosciences and Nutrition,

	Karolinska Institutet, Huddinge, Sweden.
2013 – June 2015	KI Scientific Director, SciLifeLab, Stockholm, Sweden. Part of the SciLifeLab operative management team with special responsibility for the national platforms.
2000-2010	Head of the Bio-informatics and Expression analysis core facility at the Karolinska Institutet
1998 – 2000	Group Leader, Department of Biology, Research, Pharmacia and Upjohn. During this time also project leader for two target identification projects.
1997	Section Leader, Pharmacia and Upjohn.
1995 – 1996	Group Leader, Pharmacia and Upjohn. During this time also project leader for a drug development project.

• **TEN YEAR TRACK RECORD**

***h-index: 30; Average Citations per Item: 30,66***

***Since 1988 Dahlman-Wright has published 111 Research articles and 22 Review articles***

***1) Ten representative publications in major international multidisciplinary journals***

1. Arner, P., Sinha, I., Thorell, A., Rydén, M., **Dahlman-Wright, K.** and Dahlman, I. (2015) The epigenetic signature of subcutaneous fat cells is linked to altered expression of genes implicated in lipid metabolism in obese women. *Clin Epigenetics*, Sep 8;7(1):93. doi: 10.1186/s13148-015-0126-9. eCollection 2015.
2. Zhu, J., Zhao, C., Zhuang, T. Jonsson, P., Williams, C., Sinha, I., Strömblad, S. and **Dahlman-Wright K** (2015) RING finger protein 31 (RNF31) promotes p53 degradation in breast cancer cells. *Oncogene*, Jul 6. doi: 10.1038/onc.2015.260. [Epub ahead of print] PMID: 26148235
3. Dahlman, I., Sinha, I., Gao, H., Brodin, D., Mejhert N., Thorell, A., Rydén, M., Andersson, D.P., Perfilyev, A., Ling, C., **Dahlman-Wright, K.** and Arner P. (2015) The fat cell epigenetic signature in post-obese women – global hypomethylation and differential DNA methylation of adipogenesis genes. *Int J Obes (Lond)*. Mar 18 doi: 10.1038/ijo.2015.31. [Epub ahead of print]
4. Gao H, Mejhert N, Fretz JA, Arner E, Lorente-Cebrián S, Ehrlund A, **Dahlman-Wright K**, Gong X, Strömblad S, Douagi I, Laurencikiene J, Dahlman I, Daub CO, Rydén M, Horowitz MC, Arner P. (2014) Early B cell factor 1 regulates adipocyte morphology and lipolysis in white adipose tissue. *Cell Metab*. Jun 3;19(6):981-92. doi: 10.1016/j.cmet.2014.03.032. Epub 2014 May 22
5. Zhao, C., Qiao, Y., Jonsson, P., Wang, J., Xu, L., Rouhi, P., Sinha, I., Cao, Y., Williams, C. and **Dahlman-Wright K.** (2014) Genome-wide profiling of AP-1-regulated transcription provides insights into the invasiveness of triple-negative breast cancer. *Cancer Res*. Jul 15;74(14):3983-94. doi: 10.1158/0008-5472.CAN-13-3396. Epub 2014 May 15. (2014)
6. Zhu, J., Zhao, C., Kharman-Biz, A., Zhuang, T., Jonsson, P., Williams, C., Qiao, Y., Zendejdel, K., Strömblad, S., Treuter, E and **Dahlman-Wright K.** (2014) The Atypical Ubiquitin Ligase RNF31 Stabilizes Estrogen Receptor  $\alpha$  and Facilitates Estrogen-dependent Breast Cancer Cell Proliferation. *Oncogene*. Aug 21;33(34):4340-51. doi: 10.1038/onc.2013.573. Epub 2014 Jan 20.

7. Arner, E., Mejhert, N., Kulyté, A., Balwierz, P.J., Pachkov, M., Cormont, M., Lorente-Cebrián, S., Ehrlund, A., Laurencikienė, J., Hedén, P., **Dahlman-Wright K.**, Tanti, J.F., Hayashizaki, Y., Rydén, M., Dahlman, I., van Nimwegen, E., Daub, C.O. and Arner, P. (2012) Adipose Tissue MicroRNAs as Regulators of CCL2 Production in Human Obesity. *Diabetes*. 2012 Aug;61(8):1986-93. Epub 2012 Jun 11.
8. Zhao, C., Gao, H., Liu, Y., Papoutsis, Z., Jaffrey, S., Gustafsson J.-Å. and **Dahlman-Wright K.** (2010) Genome-wide mapping of estrogen receptor-beta-binding regions reveals extensive cross-talk with transcription factor activator protein-1. *Cancer Research* 70(12):5174-83.
9. Gustafsson N, Zhao C, Gustafsson JA and **Dahlman-Wright K.** (2010) RBCK1 drives breast cancer cell proliferation by promoting transcription of estrogen receptor  $\alpha$  and cyclin B1. *Cancer Research* 70 (3), 1265-74. Epub 2010 Jan 26.
10. Liu, Y, Gao, H., Marstrand, T.T., Ström, A., Valen, E, Sandelin, A., Gustafsson, J.-Å. and **Dahlman-Wright, K.** (2008) The genome landscape of ER $\alpha$  and ER $\beta$ -binding DNA regions. *Proc. Natl. Acad. Sci. USA*, 105, 2604-9.

## **2) Invited presentations**

### **2012**

ISB Institutseminar "Research at ISB, NTNU – Parallels to Karolinska Institutet: Lessons to be learnt"

University of Houston, USA, October 28, invited lecture "Modulation of estrogen signaling in breast cancer cells by RBR Ubiquitin ligases".

### **2013**

FEBS advanced lecture course, Spetses Summer School on Nuclear Receptor Signaling in Physiology and Disease Spetses, Greece, 25/8- 30/8-13, invited lecture "Modulation of estrogen signaling in breast cancer cells"

Medical School, University of Athens, Greece 2/10-2013, invited lecture "Modulation of estrogen signaling in breast cancer cells"

### **2014**

University of Turku, 1st NordBioMedNet Summer School - Omics in Drug Discovery - Seili Island, The Archipelago Research Institute 11/8-2014, invited lecture "Introduction to Omics"

### **2015**

University of Turku, 1st NordBioMedNet Summer School - Omics in Drug Discovery - Seili Island, The Archipelago Research Institute 10-15/8-2015, invited lecture "Introduction to Omics"

FEBS advanced lecture course, Spetses Summer School on Nuclear Receptor Signaling in Physiology and Disease Spetses, Greece, 23-27/8-13, invited lecture "Estrogen signaling in breast cancer cells"

RIKEN-Karolinska Institutet-SciLifeLab joint Symposium 2015, Yokohama, Japan, 12-13/11-2015, invited lecture "Infrastructure in Protein Structure and Drug Discovery"

***3) Examples of leadership in industrial innovation:***

1998 – 2000 Group Leader, Department of Biology, Research, Pharmacia and Upjohn.  
During this time also project leader for two target identification projects.

1997 Section Leader, Pharmacia and Upjohn.

1995 – 1996 Group Leader, Pharmacia and Upjohn. During this time also project leader for a drug development project.