**Curriculum vitae**

**Master of Science** 19/12/1995: Biology, University of Gothenburg (UGOT; 150 ECTS Biology, 75 ECTS Chemistry, 15 ECTS Math/Physics/Statistics).

**Doctoral degree**
09/03/2001, Plant Physiology, UGOT. "Plastid import and membrane association of NADPH:protochlorophyllide oxidoreductase (POR) - a key enzyme in chloroplast development". Supervisor Dr Clas Dahlin.

**Postdoc**
1/07/2001-31/12/2002: Honorary Visiting Research Fellow, Leicester University, England paid by the Wenner-Gren Foundation, Sweden. PI, Dr Paul Jarvis (now Prof Jarvis).

**Senior lecturer expertise**
06/11/2007 Associate Professor (docent) in Plant Molecular Biology, UGOT.

**Professorship**
17/10/2016 Professor in Plant Molecular Biology, UGOT.

**Current position:**
1/04/2016- Head of the Department of Biology and Environmental Sciences (BioEnv), UGOT. Minimum of 20% time secured for research.

**Previous positions**
1/05/2015-31/03/2016 Lecturer, BioEnv, UGOT.
13/10/2014-30/04/2015 Researcher, BioEnv, UGOT
01/05/2010-12/10/2014 1st Research Engineer, BioEnv, UGOT
1/02/2004-30/04/2010, Researcher, Plant Molecular Biology, UGOT.
24/03/2003-31/01/2004, Lecturer at Skövde University in Molecular Biology.
24/02-23/03/2003, Lecturer at Gotland University covering Plant Physiology and Anatomy.
1-30/04/2001, Project research assistant. Plant Physiology, UGOT.

**Awards and special commissions**
***Commissions***
-*Reviewed different EU calls*:

- 2007-2016 Marie Curie Outgoing, Ingoing, International fellowships; 2013-2014 International Training Network (ITN); 2010 Marie Curie International Research Staff Exchange Scheme (IRSES)

-*President/jury member* of the European Union Contest for Young Researchers (EUCYS). President - Prague, Czech, 2013 and Warszaw, Poland, 2014; jury member - Helsinki, Finland, 2011; Bratislava, Slovakia, 2012; Milano, Itlay 2015..
-*Reviewed research proposals* for BBRSC (United Kingdom), CSF (Czech), ISF (Israel), NCRD (Romania), NSF (USA), NWO (Netherlands), OKTA (Hungary), and USDA (USA).
-*Reviewed papers* for more than 25 different journals including e.g. Annals of Bot, J Biol Chem, J Mol Biol, Nature, New Phytol, Plant Physiol, Plant J, Plant Mol Biol, PNAS, Science.
-*Dissertation opponent:* Marta Powikrowska, 08/06/2012, Univ. of Copenhagen, Denmark; Ye Zhang and Xi Yuan, both 08/06/2015, Nanjing Agricultural University, China.
-*Dissertation evaluation committee member:* Nick Sirijovski 22/09/2006, Lund Univ.; Karolina Härnström 25/09/2009 Univ. of Gothenburg; Hansjörg Götzke 25/09/2014, Stockholm University; Amin Banaeiyan 23/03/2017 Univ. of Gothenburg.
-*Licentiate dissertation opponent:* Hanna Klang Årström 29/05/2012, Linköping University.
-*Half time opponent:* Lin Yan 21/10/2010, Patrik Karlsson 12/11/2010, both at Linköping University.

***Grant awards***
01/07/2001-31/12/2002 Postdoc award, Wenner-Gren Foundation **420 TSEK**
01/02/2004-31/01/2008 Assistant Professor, FORMAS: **3 117 TSEK**

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| 01/02/2004-31/01/2008 Start-up money, University of Gothenburg | **550 TSEK** |
| 01/08/2006-01/08/2008 Project grant from Carl Tryggers Foundation | **682 TSEK** |
| 01/01/2008-31/12/2010 Project grant, VR: | **1 350 TSEK** |
| 06/01/2008-31/12/2013 Project money, Libyan Embassy, Sweden | **590 TSEK** |
| 01/01/2010-31/12/2011 Project grant from Carl Tryggers Foundation | **630 TSEK** |
| 01/02/2013-31/01/2015 Project grant from Olle Engqvist Foundation | **795 TSEK** |
| 01/01/2014-31/12/2016 Exchange grant, VR/SIDA | **750 TSEK** |
| 01/01/2016-31/12/2016 Project grant from Carl Tryggers Foundation | **401 TSEK** |

**PhD student dissertations (main supervisor)**

Dr Patrik Boij, 27/11/2009,
Dr Lisa Blomqvist, 5/6/2009 (main supervisor at the end due to illness of former supervisor)
Dr Nadir Zaman Khan, 7/03/2013
Dr Mohamed Alezzawi, 21/03/2014
Dr Emelie Lindquist, 24/02/2017
Johanna Lethin, ends at Spring 2021
Ola Nordqvist, ends at Spring 2021

**Postdoctoral students under my supervision**

Dr Christel Garcia 01/08/2006 – 31/07/2008
Dr Sazzad Karim 17/05/2010 – 16/05/2011, 01/02/2013-31/01/2015
Dr Mohamed Alezzawi 01/05/2014-31/10/2016 (halted due to economical constraints in Libya)

**Invitations to give oral presentations (last five years)**

08/03/2016 AeroPlant, UGOT. “Improved wheat for a changing world!”
12/06/2015 Copenhagen Plant Science Centre, Denmark. "The puzzle of chloroplast vesicle transport – involvement of GTPases”.
06/06/2015 Nanjing Agricultural University, China. “Vesicle transport and salt stress”
05/02/2015 Plant Physiology, Ruhr-University Bochum, Germany. “The puzzle of chloroplast vesicle transport – involvement of GTPases”.
16/01/2014 University of Salento, Lecce, Italy. “Vesicle transport in chloroplast”.
06/11/2014 Biotechnology Workshop, ACI Ltd, Dhaka, Bangladesh. “Nobel Prize 2013 for vesicle transport – links to chloroplasts and medicine”.
01/10/2013 Life science Workshop, Membrane transport in biology and medicine, Gothenburg, Sweden. “Vesicle transport in plants”.
13/05/2013 Nanjing Agricultural University, China. “Vesicle Transport in Chloroplasts - Implications for Stress, Photosynthesis and Medicine”.
29/08/2012 15$^{th}$ European Plant Endomembrane Meeting, Madrid, Spain. “Vesicle transport inside chloroplasts.”
7/06/2012 Copenhagen University, Denmark. “A novel thylakoid protein targeting pathway important for photosynthesis”.
16/05/2012 National Workshop on "Plant Genetic Resources", Dhaka, Bangladesh. “The ultimate green transport system”. Invited as speaker.
30/01/2012 Botanisches Institute, Kiel University, Germany. “Molecular characterization of vesicle traffic within chloroplasts”.

## Publication list (last five years)

### Peer reviewed articles, reviews, and book chapters

1. Yin C, Karim S, Zhang H, **Aronsson H** (2017) Arabidopsis RabF1 (ARA6) Is Involved in Salt Stress and Dark-Induced Senescence (DIS). Int J Mol Sci, 18: 39
2. Bains S, Larsson P, **Aronsson H** (2017) Plastid molecular pharming II. Production of biopharmaceuticals by plastid transformation. Mini-Reviews in Medicinal Chemistry, Vol 17
3. Khan NZ, Lindquist E, Alezzawi M, **Aronsson H** (2017) What human medicine may learn from plastid vesicle transport. Mini-Reviews in Medicinal Chemistry, Vol 17
4. Lindquist E, Solymosi K, **Aronsson H** (2016). Vesicles are persistent features of different plastids. Traffic, 17 :1125-1138
5. Panova M, **Aronsson H**, Cameron RA, Dahl P, Godhe A, Lind U, Ortega-Martinez O, Pereyra R, Tesson S, Wrange A-L, Blomberg A, Johannesson K (2016) DNA extraction protocols for whole genome sequencing in marine organisms. In Borlaut S (ed). Marine genomics – methods and protocols. Springer. accepted
6. Yin C, Andersson MX, Zhang H, **Aronsson H** (2015) Phosphatidylcholine is transferred from chemically-defined liposomes to chloroplasts through proteins of the chloroplast outer envelope membrane FEBS Lett 589: 177–181
7. Lindquist E, **Aronsson H** (2015) Proteins affecting thylakoid morphology - the key to understanding vesicle transport in chloroplasts? Plant Sign Behav, 9: e977205
8. Lindquist E, Alezzawi M, **Aronsson H** (2014) Bioinformatic indications that COPI- and clathrin-based transport systems are not present in chloroplasts: an Arabidopsis model. PLoS One 9: e104423
9. Sjögren LLE, Tanabe N, Khan NZ, Lymperopoulos P, Rodermel SR, **Aronsson H**, Clarke AK (2014) Quantitative analysis of the chloroplast molecular chaperone ClpC/Hsp93 in Arabidopsis reveals new insights into its localization, interaction with the Clp proteolytic core and functional importance. J Biol Chem 289: 11318-11330
10. Alezzawi M, Karim S, Khan NZ, **Aronsson H** (2014) Gene expression pattern for putative chloroplast localized COPII related proteins with emphasis on Rab related proteins. Plant Sign Behavior, 9: e28330
11. Karim S, Alezzawi M. Garcia-Petit C, Solymosi K, Khan NZ, Lindqvist E, Dahl P, Hohmann S, **Aronsson H** (2014) A novel chloroplast localized Rab GTPase protein CPRabA5e is involved in stress, development, thylakoid biogenesis and vesicle transport in Arabidopsis. Plant Mol Biol, 84:675–692
12. Karim S, **Aronsson H** (2014) The puzzle of chloroplast vesicle transport–involvement of GTPases. Front Plant Sci. 5: article 472 *Reveiw*
13. Kasmati AR, Töpel M, Khan NZ, Patel R, Ling Q, Karim S, **Aronsson H**, Jarvis P (2013) Evolutionary, molecular and genetic analyses of Tic22 homologues in *Arabidopsis thaliana* chloroplasts. PLoS One*,* 8: e63863
14. Khan NZ, Lindquist E, **Aronsson H** (2013) New putative chloroplast vesicle transport components and cargo proteins revealed using a bioinformatics approach: An *Arabidopsis* model. PLoS One, 8: e59898
15. Solymosi K, **Aronsson H** (2013) Etioplast and their significance in chloroplast biogenesis. In: Biswal B, Krupinska K, Biswal UC (eds.) In: Advances in photosynthesis and respiration: Chloroplast development during leaf growth and senescence. Springer, Dordrecht, The Netherlands. 36: 39-71. *Book chapter*
16. Spetea C, **Aronsson H** (2012) Mechanisms for transport across membranes in chloroplasts. Current Chem Biol. 6: 230-243 *Review*
17. Träger C, Alm Rosenblad M, Ziehe D, Garcia-Petit C, Schrader L, Kock K, Richter CV, Klinkert B, Narberhaus F, Herrmann C, Hofmann E, **Aronsson H**, Schünemann D (2012) Evolution from the prokaryotic to the chloroplast signal recognition particle pathway of higher plants: The SRP RNA is conserved in plastids of a wide range of photosynthetic organisms. Plant Cell 24:4 819-4836

**Popular science articles/presentations (last five years)**

*2017/03/13* Two short lectures with information about molecular breeding of salt tolerant wheat for 25 Gymnasium students from Polhems Gymnasium, Gothenburg.

*2016/02/26 Handelshögskolan, Gothenburg,* Handels Students for Sustainability (HaSS) invited me to be panel member in a debate about GMO plants.

*2016/02/11* Hvitfeldtska gymnasium, Gothenburg, 150 students at the Society and Economical programs. Title ”GM växter and gen-etik”.

*2015/12/01* Ekocentrum, Gothenburg. Our wheat project was selected to be one out of 20 projects to be exhibited for one year at Ekocentrum for the public within their program “Innovation for the good life!”.

*2015/11/26* Naturvetardagen, title ”Morgondagens förädling av växter – GM eller inte?”

*2015/10* Skolvärlden – interview regarding ”Fönster mot Naturvetenskap” *http://skolvarlden.se/artiklar/ett-oppnat-fonster-mot-naturvetenskapen*

*2015/10/09* Web news with me as coordinator for “Fönster mot Naturvetenskap” *http://science.gu.se/aktuellt/nyheter/Nyheter+Detalj/nu-oppnas-ett-fonster-mot-naturvetenskap.cid1326550*

*2015/08/05* Astra Zeneca summer school – laboration and seminar for 20 students.

*2015/05/25* Gnosjö Rotary, Gnosjö “Nytt vete för en bättre värld”

*2015/04/22* Miljöpartiets Ungdomsförbund, Gothenburg - invited to a panel debate about GMO and plants

*2015/04/21* 2x one hours lab and seminar to 40 grade 9 students from Angered “Genteknik och växter”

*2015/03/28* Zeitgeist event, Gothenburg”Vete för att återta saltkontaminerad mark”

*2015/03/24* One-hour guiding and information to 15 gymnasium students from Tingsholms Gymnasium, Ulricehamn, about plant breeding (GM and non-GM).

*2014/09/23* ”Är *president* för andra gången i internationell forskningstävling”, article in Göteborgs Posten.

*2014/09/08* Web news about my work as President for the EUCYS jury for a second time. “Är president för andra gången i internationell forskningstävling” http://www.gu.se/omuniversitetet/aktuellt/nyheter/detalj//ar-president-for-andra-gangen-i-internationell-forskningstavling-.cid1234378

*2014/05/19* One hour lecture with information about GM plants (risks and possibilities) for 25 gymnasium students at Kunskaps Gymnasium, Gothenburg.

*2014/05/13* Two-hour lecture with information about GM plants (risk and possibilities) for 25 Gymnasium students at Polhems Gymnasium, Gothenburg.

*2013/10/23* Web news about my work as President for the EUCYS jury. “Växtmolekylärbiolog prisar unga forskare” http://www.bioenv.gu.se/Aktuellt/Nyheter/fulltext//vaxtmolekylarbiolog-prisar-unga-forskare.cid1188653

*2013* “Plant research with links to the Nobel Prize” Article in Science Faculty Magazine, No. 2, 31-32. http://sciencefacultymagazine.com/natural-sciences-en/biology-en/plant-research-with-links-to-the-nobel-prize/

*2012/05/30* Three-hour guiding and information to 40 gymnasium students from Tibro Gymnasium, about my research.

*2012/03/06* Two-hour guiding and information to 20 gymnasium students from Tingsholms Gymnasium, Ulricehamn, about my research.