



Annual Report 2023
Danish Cardiovascular Academy

Summary

In 2023 the Danish Cardiovascular Academy has strengthened its position as a uniting factor within Danish cardiovascular research. The goal of the Academy is to continuously provide excellence in:

- 1) recruitment of PhD and postdoctoral fellows,
- 2) international level research training
- 3) creation of networks across the entire Danish cardiovascular research community.

To achieve these goals, the academy in 2023 have hosted 30+ educational activities, granted 12 PhD scholarships, 7 Postdoctoral Fellowships, 102 travel grants, 2 Visiting Professors and a Visiting Faculty, as well as the first cross-academy PhD-scholarships together with the Danish Diabetes and Endocrine Academy. The educational activities have been within highly specialised scientific topics and in 2023 with more international components. Transferable skills, such as career development, project management and communication, have also been among the activities. Through these activities, we have strengthened the early career researchers and the Danish cardiovascular research community, as well as Danish Cardiovascular Academy's position within.

A major milestone of 2023 was the report from the International Review Committee. Based on input, discussions with a user-panel and participation at the DCAcademy Summer Meeting, the committee gained insight and knowledge of the Academy. The final report was delivered in October 2023. The Management Team are delighted that the report praises the work of the academy, while also pointing towards new areas of interest, which could be further developed within the framework of the academy.

The Executive Management team and the Board of Directors are pleased to report that the Academy has reached both the deliverables and success criteria set out for in 2023. In 2024 we will strive to continue the positive development of the Academy and deliver even better research training and education for early career researchers, continue requirement of excellence while supporting creation of networks across the Danish cardiovascular research community.

Christian Aalkjær
Executive Managing Director



Anne-Mette Hvas
Chair of the Board



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Preface

The annual report for the Danish Cardiovascular Academy (DCA) provides a status on DCA and its strategic and developmental initiatives, as well as an overview of activities and grants delivered by the DCA in 2023. The report is written by the Executive Management (EM) team and the Board of Directors. For financial details we refer to the Annual Financial Report in NORMA.

Introduction

The year 2023 stands out as the busiest year yet for the DCA secretariat. Throughout the year, we have delivered considerable contributions to the Danish cardiovascular research community by providing more than 30 events, organise Visiting Faculties and Visiting Professors, granting 25+ million DKK in various stipends, and by developing several new initiatives. The work of the DCA has been highly valued by the research community, and we have further strengthened the DCA's position within the cardiovascular domain. The Executive Management and the Board of Directors are proud that the Danish Cardiovascular Academy has become a unifying factor, which brings Danish cardiovascular researchers together across disciplines and geography and which is renowned for the high standard of its activities.

Status, Danish Cardiovascular Academy

Secretariat

The DCA has a very well-functioning administration of 8 employees (5 full time equivalents) capable of handling the complex task of supporting a diverse and, at times, challenging research community. In 2023, we welcomed Pernille Nielsen as Course Coordinator and Elena Bouzinova as maternity cover for Xenia Kessler, and, together with the Scandinavian Physiological Society we employed Nanna Brinch in a shared position as Communications Manager. Due to increased workload, we also hired student assistants at both the Aarhus and Copenhagen offices.

Strategic initiatives

The main strategic areas for 2023 was internationalisation, visiting faculties- and visiting professors programmes, community-creation, collaboration with the industry, and MidTerm Symposia.

Internationalisation

To support internationalisation, we have developed the "DCAcademy International Summit" concept where we invite Danish leading researchers to organise a 2-3-day meeting with an international renowned research group within a specific area. The meeting combines student presentations, discussions, and presentations of the newest knowledge and networking. To ensure the highest scientific standard, younger research fellows are only admitted to the Summit upon invitation. The attendance is limited to 50 and we strive for a student:senior-researcher ratio of 2:1.

The first DCAcademy International Summit was held in Glasgow (UK) in May 2023 on Clinical Research in Heart Failure. The meeting was set up by Prof. Lars Køber (Rigshospitalet) and Prof. John McMurray (Glasgow University). From Denmark, leading cardiologists and students participated from all the major hospitals. From UK, international capacities such as John McMurray, Marc Petri, Christoffer Miller, Ninian Lang, Pardeep Jhund, and their students participated. The meeting had a very high scientific level and was top-rated in evaluations. We are proud that Prof. John McMurray and his colleagues have invited themselves for a follow-up Summit in Copenhagen in April 2024.

We find that the Summit concept actively contributed to internationalisation and creation of networks and new projects. We plan to host two International Summits in 2024.

Visiting Faculties

The Visiting Faculty Programme supports the visit of a group (faculty) consisting of 2-5 international professors within a specific area of research. The Visiting Faculty will visit 3-4 research groups in Denmark where they provide Master Classes for the young researchers and discuss projects with the senior researchers. The visit concludes with a joint symposium between the involved research groups and the Visiting Faculty. The primary focus for the programme is to promote exchange of knowledge and networking between international senior scientists and Danish researchers – both youngsters and seniors.

In November 2023, we welcomed the first Visiting Faculty consisting of two international experts within neurovascular coupling. The faculty consisted of Professor Mark Nelson, Vermont (US) and Professor Anne Devor, Boston (US) visiting Professor Vladimir Matchkov, Aarhus, Professor Ebbe Bødtkjær, Aarhus, Professor Leif Østergaard, Aarhus, and Professor Martin Lauritzen, Copenhagen, and their respective research groups to whom they provided Master Classes to more than 15 young researchers and had both research and strategic discussions with the senior researchers. At the concluding one-day seminar for all groups, ~40 young and senior researchers attended. The activity was very well-received, old networks were strengthened, new networks were established and invitations to the Danish groups to visit the Visiting Faculty's laboratories were issued.

Visiting Professors

The Visiting Professors Programme supports international cardiovascular researchers (senior lecturer/Associate Professor or above) visiting Danish research groups. With the programme, we wish to support different types of Visiting Professors. This could be a longer visit in one research group, a shared visiting Professor staying at multiple research groups or through multiple short visits over a longer period.

In 2023, we granted two visiting professorships. 1) Professor Patricia McGettigan from Barts Health NHS Trust Cardiology team, Royal London Hospital and co-lead of Barts Health Cardiovascular Risk Management Clinic (UK). Professor McGettigan is visiting Institute of Clinical Medicine UCPH and Dept. of Cardiology, Copenhagen University Hospital, Herlev & Gentofte. The aim of her visit is to establish closer links between Danish and UK population-based databases. 2) Professor David Symons, Molecular Medicine Program for Nutrition and Integrative Physiology, University of Utah (US) is visiting Institute of Biomedicine, Aarhus University to contribute to research on ketone-bodies.

Community-creation

In November 2023, we hosted the first Annual DCAcademy Ambassador Dinner for our Grant Recipients and main collaborators. The event is a new initiative aimed to support our efforts in creating a national cohort of young cardiovascular researchers with a strong sense of being part of a scientific community with strong

traditions for excellence. The event took place at “Udsigten” on 15th floor of the Maersk Tower, CPH and contributed very positively to the ongoing creation of the cohort mentality we strive to establish. At the event, we honoured the *DCAcademy Grant Recipient of the Year* (PhD-student Andrietta Grentzmann, SDU Odense) and the *DCAcademy Contributor of the Year* (Prof. Lars Køber, Rigshospitalet).

Collaboration with the industry

To initiate a closer collaboration between DCA and the industry, we partnered with both Novo Nordisk A/S and AstraZeneca on developing activities to give early career researchers insight in the industry and the opportunities that can be pursued. We developed two courses in this respect. The first course was “Working in the Industry” in collaboration with Novo Nordisk A/S and included a site-visit at their facilities in Måløv. The second course “Drug Development in Industry”, organised in collaboration with AstraZeneca, was to take place at AstraZeneca in Goteborg in October, but has for logistical reasons been postponed to March 2024.

MidTerm Symposia

The DCAcademy Grant Recipients are obliged to organize a so-called MidTerm symposium providing a broader perspective to their research area. The form, format, size or length of the symposium is decided by the Grant Recipient in collaboration with the main supervisor or mentors. However, the expectation is that the Grant Recipient acts as the main organiser and that the symposium includes more than the recipient’s own research group and somehow meets some of the intentions; to support the scientific communities, ensure dissemination, and create an opportunity to invite capacities within the area and create national and international networks.

The first MidTerm symposiums took place in 2023, and we are impressed with the effort and level of scientific impact put forward at our Grant Recipients’ MidTerm symposia. The feedback from both Grant Recipients and supervisors have been very positive and much to our delight, we see that some of our Grant Recipients’ team up in groups and organise 2-3-day symposia with international speakers, workshops, and networking activities. All MidTerm symposia are financially supported by DCA and announced through the DCA on our website and social media platforms, and are open for all interested.

Training and Education

Throughout the year, we have provided high-quality and high-level scientific training and education, as well as dissemination of our activities and promoting our Grant Recipients. With 30+ activities and 1.000+ participants, we reach an impressive milestone. The majority of our participant (57%) are from the Capital Region Denmark. To some extent this reflects a larger cardiovascular research community in Copenhagen and our close collaboration with the Graduate School of Health at University of Copenhagen. However, it also clearly indicates that we need to attract more participants from the other regions. For statistics on participants, see appendix A.

Training and Educational Activities

The training and educational activities are divided into three categories. 1) DCAcademy Courses, which are courses and events that are developed and held by the DCA secretariat and where DCA covers all costs. 2) Joined Academy Courses, developed and held in collaboration with Danish Diabetes and Endocrine Academy (DDEA) and/or Danish Data Science Academy (DDSA) where the cost is shared, and 3) Joined DCAcademy –

Graduate School Courses, which are held in collaboration with the Graduate Schools at the Health Faculties at Danish universities and where the DCA contribution mainly consist of support of international speakers and networking events. In 2023, we had 23 DCAcademy activities, 4 Cross Academy activities and 9 Joined DCAcademy – Graduate School Courses. The total cost of the 2023 educational activities was 3.7 million DKK of which approx. 1 million DKK was co-financing from the Graduate Schools and the DDEA/DDSA. For more detail, see appendix B.

The high level of activities is only possible through the very productive collaboration with the DDEA, the DDSA, and Danish Graduate Schools.

Funding activities

In 2023, we completed our third PhD and Postdoc grant call, awarded the first Fourth-year PhD grants and granted 102 travel grants, 2 Visiting Professorships, a Visiting Faculty plus 3 Cross-Academy PhD-stipends in collaboration with the DDEA. A total of 25+ mio DKK was thereby distributed to the cardiovascular community.

Call III

Recipients of Call III DCAcademy PhD and Postdoctoral stipends were notified in May and invited for the obligatory Introduction Course in August. At this course the grant recipients get to know each other through scientific presentations of their projects, team-building activities, peer mentoring circles and informal networking. In Call III we awarded 11 PhD-scholarships, five 2-year postdoc fellowships and two 5-year 20% clinical postdoc fellowships. The average success rate for our calls is now down to 16%, which we find is too low when compared to the quality of applicants, as reported by the Review Committee. We find both the geographical and gender balances are very reasonable, see appendix C and D.

DCAcademy Fourth-year PhD Programme

This call is a new instrument exclusively offered to DCAcademy PhD scholarship recipients from Call I. The scholarship can be used to extend the PhD-scholarship period, or to employ the candidate one year in a postdoc position, given that the employment is specifically related to the PhD project. Of the 12 PhD-scholarship recipients from Call I 7 applied. Four of these were granted 575.000 DKK. See Appendix E.

Cross-academy stipends

In collaboration with the DDEA, we granted three 2/3-financed DDEA/DCA Cross-Academy PhD scholarships. For these scholarships the principal supervisor is within diabetes, metabolism or endocrinology while the co-supervisor is within cardiovascular research. See Appendix F. In 2024 we will have both DDSA- and DDEA Cross Academy Grants.

Travel Grants

In 2023, the DCA awarded 102 travel grants to PhD and Postdoctoral researchers. The requirements for a travel grant are either that the applicant is 1) to present at a conference or 2) to visit an international research group.

Deliverables 2023

The contract between the Danish Cardiovascular Academy and the Novo Nordisk Foundation outlines six deliverables for 2023, and we are pleased to confirm that the Academy has met these deliverables.

Deliverable 1: The DCAcademy Winter Meeting 2023

The 2023 DCAcademy Winter Meeting was held in Isaberg, Sweden in March with 60+ participants and a packed programme revolving around the challenge theme: Communicate Your Science. Throughout the meeting, the participants were inspired by talks and workshops, while also working in smaller groups producing contributions for a concluding show-off on the subject.

Deliverable 2: Evaluation report from International Reviewing Committee

In June 2023, our International Reviewing Committee met with a user panel of researchers, Grant Recipients, and the head of the Health Graduate School, University of Copenhagen. A report was drafted based on this meeting, presentations from the Executive Management and participation in the DCAcademy Summer Meeting. The final report was handed to the DCA in October and approved by the Board of Directors in November 2023. The committee praised the NNF for the academy-concept and was impressed with the achievements by the DCA. The committee advised that DCA should consider initiatives within new areas and mega-trends such as socio economics, artificial intelligence, inequity and sustainability.

Deliverable 3: Annual Report to the Novo Nordisk Foundation

The annual report was handed in timely and approved by the Novo Nordisk Foundation.

Deliverable 4: The DCAcademy Annual Meeting

The DCAcademy Summer Meeting was once again held at Sinatur Hotel Storebælt, Nyborg, Funen in June. With more than 200 participants over the three days, of whom 50% were affiliated to a hospital, and several parallel clinical and basic science sessions. The evaluations were 90% positive or very positive, and we are very pleased that the meeting has a growing reputation as the annual Danish cardiovascular research meeting.

Deliverable 5: PhD summer school in obesity, diabetes, and cardiovascular morbidity

As the DDEA in 2023 held several courses within these themes, we decided not to use resources on redundancy. Instead, we have for the second year in a row partnered up with DDEA to host a 4-day PhD-course on Basic Cardiometabolism in October.

Deliverable 6: Announce Grant Recipients

The Grant Recipients of Call III and their projects have been individually presented on our website as well as on social media platforms.

Concluding remarks

We, the Executive Management and the chair of the board, find that DCA in 2023, fully lived up to the expectations. The DCA has been able to achieve the main deliverables and meet the success criteria as set out in the contract. We would like to emphasise that this is a result of a team effort of a dedicated secretariat that collaborates with an engaged and actively supporting scientific community. In 2024, we will strive to continue the positive development and further consolidate our position as the unifying organ within the Danish cardiovascular research community.

Appendix A: Statistics of event participants

ALL PARTICIPANTS		non-Danish		RH		RM		RN		RS		RSD		Total # p: Total %	
Area of research	# partic.	%	# partic.	%	# partic.	%	# partic.	%	# partic.	%	# partic.	%	# partic.	%	
Basic	61	5,7%	275	25,8%	107	10,0%	8	0,7%	4	0,0%	41	3,8%	492	46,1%	
Clinical	63	5,9%	267	25,0%	65	6,1%	14	1,3%	4	0,4%	47	4,4%	460	43,1%	
Epidemiology	5	0,5%	40	3,7%	17	1,6%	8	0,7%		0,0%	1	0,1%	71	6,7%	
Other	6	0,6%	18	1,7%	5	0,5%		0,0%		0,0%	4	0,4%	33	3,1%	
Public Health	1	0,1%	7	0,7%	1	0,1%		0,0%		0,0%	2	0,2%	11	1,0%	
Hovedtotal	136	12,7%	607	56,9%	195	18,3%	30	2,8%	4	0,4%	95	8,9%	1067	100,0%	
UNIQUE PARTICIPANT		non-Danish		RH		RM		RN		RS		RSD		Total # p: Total %	
Area of research	# partic.	%	# partic.	%	# partic.	%	# partic.	%	# partic.	%	# partic.	%	# partic.	%	
Basic	56	8%	184	25%	52	7%	7	1%		0%	21	3%	320	44%	
Clinical	60	8%	169	23%	46	6%	8	1%	4	1%	39	5%	326	45%	
Epidemiology	4	1%	21	3%	14	2%	5	1%		0%	1	0%	45	6%	
Other	6	1%	16	2%	3	0%		0%		0%	3	0%	28	4%	
Public Health	1	0%	7	1%	1	0%		0%		0%	1	0%	10	1%	
Hovedtotal	127	17%	397	54%	116	16%	20	3%	4	1%	65	9%	729	100%	
Gender	# partic.	%													
Female	374	51%	RH: Capital Region Denmark RS: Region Zealand												
Male	355	49%	RM: Central Region Denmark RSD: Region of Southern Denmark												
Hovedtotal	729	100%	RN: Northern Region Denmark												

Appendix B

2023		
DCAcademy Courses	DCA-cost	Co-Financing
DCAcademy Summer Meeting	1.069.365 kr.	
DCAcademy Winter Meeting for Postdoctoral fellows	470.527 kr.	
DCAcademy - Talented researcher part II	181.241 kr.	
DCAcademy Introduction Course Grant 3	148.648 kr.	
Strengthen Project Management Capabilities (grant 1 & 2)	-154.638 kr.	
International Summit on clinical research in heart failure, Glasgow University	175.629 kr.	35.000 kr.
Invasive hemodynamics and Coronary physiology	100.806 kr.	
Twitter Webinar for Cardiovascular Researcher	12.000 kr.	
Data Science for Non-Data Scientists	7.923 kr.	
Everything your want to know: Vascular smooth muscle cells	24.890 kr.	
Mid-way Meeting: Peer Mentoring Circles, Grant II	12.000 kr.	
Strengthen Project Management Capabilities (grant 1 & 2)	18.660 kr.	
Atherosclerosis Course	216.805 kr.	
Presentation Techniques	15.000 kr.	
Working in the Industry (Panum / Novo Nordisk)	1.300 kr.	
Peer Mentoring Midway Meeting, Grant 2	3.000 kr.	
European Society for Microcirculation Conference 2023	0 kr.	
Everything your want to know about: The arterial wall	27.000 kr.	
DCA grant recipient symposium: "Cardiac CT and AutoPlaque" v. Selma Hasific	25.000 kr.	
Oral Præsentationskursus (v. Bent Nørgaard)	15.000 kr.	
Webinar: Next level Twitter for Cardiovascular Scientists vol. 2	12.000 kr.	
Science Ambassadors Dinner	64.900 kr.	
Lancet Committee: Gaps in evidence in sudden cardiac arrest research	500 kr.	
Joint Academy Courses	DCA-cost	Co-Financing
Hypertension, Diabetes and Cardiovascular disease, Nordic Baltic	60.000 kr.	120.000 kr.
DCA & DDA: Basal Metabolism & Molecular Mechanism in Diabetes	118.211 kr.	118.211 kr.
Presentation Techniques (online)		35.000 kr.
Data Visualization Course (collab with DDSA, DDEA)	55.000 kr.	110.000 kr.
Joint DCA - Graduate School Courses	DCA-cost	Co-Financing
Cardiovascular Winter School 2023		98.722 kr.
Working Group Meeting on Cardiac Cellular Electrophysiology		29.861 kr.
DCAcademy Summer Meeting 2023		158.665 kr.
Data Science for non-Data Scientists		53.778 kr.
Introduction to Danish health registries and translational perspectives		47.274 kr.
The Fundamentals of Randomized controlled trials		50.383 kr.
Integrative human cardiovascular Control		170.057 kr.
Vascular function and angiogenesis in relation to health		25.367 kr.
TOTAL	2.680.767 kr.	1.052.318 kr.
TOTAL COURSE RELATED EXPENSES	3.733.086 kr.	

Appendix C

Statistics of Call III

Research Area	Basic research			Clinical research			Epidemiology research			Public Health research			Total Call III		
	# Appl.	# Grant	Suc.rate	# Appl.	# Grant	Suc.rate	# Appl.	# Grant	Suc.rate	# Appl.	# Grant	Suc.rate	# Appl.	# Grant	Suc.rate
1/3 stipend	3	0	0%	9	0	0%	3	0	0%	0	0	0%	15	0	0%
2/3 stipend	19	6	32%	36	5	14%	10	1	10%	5	0	0%	70	11	16%
2-year Postdoc	14	4	29%	11	1	9%	7	1	14%	1	0	0%	33	5	15%
5-year Clin Postdoc	0	0	0%	9	2	22%	2	0	0%	0	0	0%	11	2	18%
Call III Total	36	10	28%	65	8	12%	22	2	9%	6	0	0%	129	18	14%
TOTAL ALL CALLS															
1/3 stipend	46	1	2%	13	0	0%	5	0	0%	0	0	0%	27	1	4%
2/3 stipend	57	13	23%	108	16	15%	37	6	16%	11	0	0%	213	35	16%
2-year Postdoc	43	10	23%	26	1	4%	21	4	19%	4	0	0%	94	14	15%
5-year Clin Postdoc	1	0	0%	33	8	24%	6	1	17%	0	0	0%	40	9	23%
Hovedtotal	110	25	23%	180	25	14%	69	11	16%	15	0	0%	374	59	16%

Call III	# Appl.	# Grant	Suc.rate	Call III	# Appl.	# Granted	Succ.Rate
Region Hovedstaden	67	12	18%	Female	65	9	14%
Region Midt	39	4	10%	Male	64	9	14%
Region Nord	8	1	13%	Total	129	19	15%
Region Sjælland	15	1	7%	TOTAL ALL CALLS			
Region Syd	129	18	14%	Female	204	33	16%
Total	129	18	14%	Male	170	26	15%
TOTAL ALL CALLS				Total	374	59	16%
Region Hovedstaden	194	36	19%				
Region Midt	99	11	11%				
Region Nord	24	5	21%				
Region Sjælland	7	0	0%				
Region Syd	50	7	14%				
Total	374	59	16%				

Appendix D

The DCAcademy Grant recipients, Call III

First name	Surname	University	Stipend	Area	Title
Malene Højgaard	Andersen	Aarhus University	HF-stipendie	Clinical research	Low-density lipoprotein cholesterol, coronary artery disease severity and cardiovascular disease events across the age-spectrum
Caroline	Espersen	University of Copenhagen	HF-stipendie	Clinical research	Coronary computed tomography angiography prior to catheter ablation in patients with atrial fibrillation
Anton Friis	Mariager	University of Copenhagen	HF-stipendie	Clinical research	The Ductus Arteriosus in Healthy Term Born Children. A Longitudinal study embedded in the Copenhagen Baby Heart Population Study.
Tobias	Skjelbred	University of Copenhagen	HF-stipendie	Epidemiology	Polypharmacy and Sudden Cardiac Death in a Danish nationwide and unselected population
Tarannum	Ara	Aarhus University	2/3 stipend	Basic research	Targeting the novel bicarbonate sensor RPTP& 947; for neuroprotection in ischemic stroke
Jakob Solgaard	Jensen	University of Copenhagen	HF-stipendie	Clinical research	Cardiovascular function and Metabolic profile in Adolescents born after Assisted Reproductive Technologies (CARMA-ART study)
Malene Lykke	Wind	University of Copenhagen	2/3 stipend	Basic research	Structure-based improved treatments for atrial fibrillation
Louise Aas	Holm	University of Copenhagen	HF-stipendie	Clinical research	Adipose tissue distribution and cardiometabolic risk factors in children treated for obesity
Tanita Drejer	Jeppesen	Aarhus University	2/3 stipend	Basic research	A novel expandable aortic annuloplasty ring for aortic valve repair - An experimental evaluation
Jonathan Samuel	Achter	University of Copenhagen	2/3 stipend	Basic research	Changes to the molecular architecture of the intercalated disc in PKP2 deficiency and its consequences in ARVC
Kristine Kyle	de Leon	University of Southern Denmark	2/3 stipend	Basic research	The role of microRNAs in the obese adipose vascular niche
Lisa Amalie	Gottlieb	University of Copenhagen	2-year Post Doc	Basic research	Atrial mechano-electrical coupling in obstructive sleep apnea
Maithily Satish	Nanadikar	University of Copenhagen	2-year Post Doc	Basic research	Translating molecular mechanisms regulating obesity and exercise-linked cardiac metabolism using more human-like iPSC and porcine models (TRACK)
Menachem Viktor	Sarusie	University of Copenhagen	2-year Post Doc	Basic research	the role of ciliary genes in congenital heart disease comorbidities
Jonas Lynggaard	Isaksen	University of Copenhagen	2-year Post Doc	Clinical research	AI-triaging of patients with possible acute myocardial infarction
Majid	Khazaee	Aalborg University	2-year Post Doc	Basic research	NeoPEH-LP: New configuration designs, manufacturing, and durable performance impact-inspired piezoelectric harvesting for powering leadless pacemakers
Laust Dupont	Rasmussen	Gødstrup Hospital	5-year Clinical Post Doc	Clinical research	Quantification of myocardial blood flow by stress perfusion cardiac magnetic resonance imaging to diagnose obstructive coronary artery disease
Andreas	Andersen	SDCC	5-year Clinical Post Doc	Clinical research	The PRE-STORK-BABY-HEART-trial Healthy lifestyle before and during pregnancy to prevent childhood obesity - cardiac development and function

Appendix E

The DCAcademy Fourth-year Grant recipients

Fourth Year PhD grant recipients

Student	University	Area	Title
Simon Libak Haugaard	University of Copenhagen	<i>Basic research</i>	<i>Investigating the role of fibroblast activation in atrial fibrillation pathophysiology</i>
Selma Hasific	University of Southern Denmark	<i>Clinical research</i>	<i>Coronary artery atherosclerosis and clinical consequences associated to vitamin K2 supplementation and vitamin K antagonist treatment</i>
Rasmus Henrik Reeh	University of Copenhagen	<i>Basic research</i>	<i>Modern society with irregular work-, sleep-, eating- and physical activity-patterns challenges human circadian rhythm, perturbing multiple physiological functions and predisposing to lifestyle-related cardiometabolic diseases</i>
Henrik Laurits Bjerre	Aarhus University	<i>Clinical research</i>	<i>Novel technologies in pacing with cardiac implantable electronic devices</i>

Appendix F

The DCAcademy Grant recipients, Call III

Cross Academy DDEA-DCA PhD Scholarships			
Student	University	Area	Title
Mathilde Søndergaard	University of Copenhagen	Basal	The PAS domain of Kv11.1: Have we PASsed on a novel cardiac-safe therapeutic target in type 2
Helene Bei Thomsen	Aarhus University	Clinical	Deep learning approach to integrate continuous glucose monitoring in cardiovascular risk assessment
Christian Thorup	Aarhus University	Clinical	Spermidine treatment in elderly patients with coronary artery disease – a randomized controlled