

Cancer Center Amsterdam

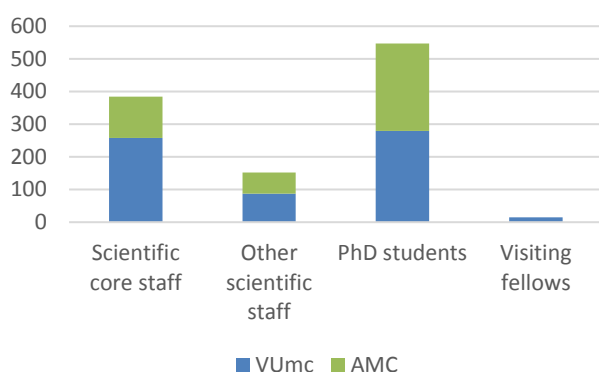
Facts and figures

2018



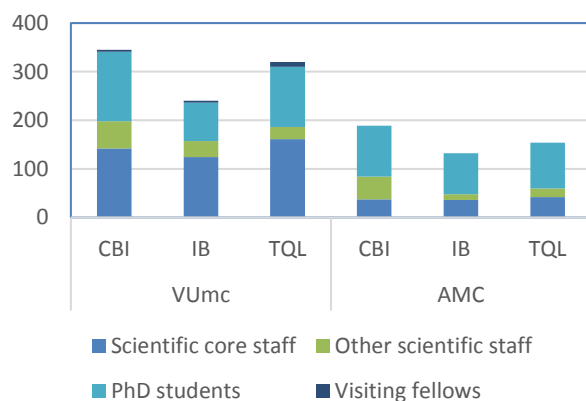
Annual figures CCA 2018

Figure 1: Research staff #



	VUmc		AMC		Total	
	2017	2018	2017	2018	2017	2018
Scientific core staff	283	258	135	126	418	384
Other scientific	114	87	64	65	178	152
PhD students	271	280	241	267	512	547
Visiting fellows	20	15	-	-	20	15
Total research staff	688	640	440	458	1128	1098

Figure 1a: Research staff # per program

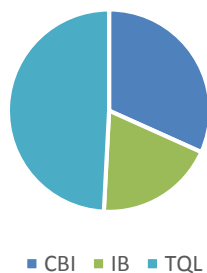


CBI	Cancer biology and immunology
IB	Imaging and biomarkers
TQL	Cancer treatment and quality of life
<i>Note: a researcher can be registered with more than 1 program</i>	

	VUMC						AMC					
	CBI		IB		TQL		CBI		IB		TQL	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
Scientific core	158	142	136	124	182	161	40	37	41	36	48	42
Other scientific	72	56	40	33	35	25	43	47	15	12	16	18
PhD students	58	143	82	79	96	124	36	105	71	84	81	94
Visiting fellows	6	4	6	4	13	10	-	-	-	-	-	-
Total research	294	345	264	240	326	320	119	189	127	132	145	154

Table 2: Main categories of research output

Refereed articles per program VUmc



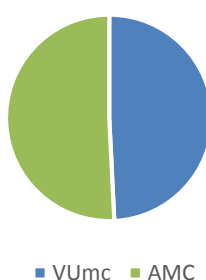
Refereed articles per program AMC



Refereed articles per program total



Total refereed articles



	VUmc							
	CBI		IB		TQL		total	
	2017	2018	2017	2018	2017	2018	2017	2018
Refereed articles	163	171	85	103	304	265	552	539
Non-refereed articles	8	5	11	1	21	8	40	14
Scientific publications	5	3	3	2	1	20	10	25
Professional publications	10	2	19	2	60	6	89	10
PhD theses	21	11	6	4	18	17	45	32

	AMC							
	CBI		IB		TQL		total	
	2017	2018	2017	2018	2017	2018	2017	2018
Refereed articles	72	95	92	86	339	375	503	556
Non-refereed articles	3	2	1	-	24	7	28	9
Scientific publications	-	5	-	2	10	10	10	17
Professional publications	-	3	-	1	14	6	14	19
PhD theses	4	14	8	2	25	21	37	37

	Total AMC & VUmc	
	2017	2018
Refereed articles	1055	1095
Non-refereed articles	68	23
Scientific publications	20	42
Professional publications	103	29
PhD theses	82	69

Note: it is possible that output belongs to both AMC and VUmc. In that case, it is double counted since we are working with 2 separate systems.

Appendix Facts and Figures CCA 2018

Media attention (since there is no specific information about media attention of CCA available of AMC, this is not mentioned in this report)

Topic	Medium	Name source	Date	URL	Researcher
The tumour glyco-code as a novel immune checkpoint for immunotherapy	Journal	Nature	12-3-2018	website	Yvette van Kooyk
Onderzoek naar kanker kan niet zonder patiënten: 'Als iedereen "nee" zegt, komen we niet verder'.	Television	AT5	15-3-2018		Michiel Pegtel
Description of our research on the development of a liposomal vaccin for pancreatic cancer: KWF onderzoeker van de week	Interview	KWF	10-4-2018		Joke den Haan
Feiten & fabels over kanker	Journal	Libelle	8-8-2018		Marjolein van Egmond
Presentation for KWF volunteers: Molecular cell biology	Public Engagement	KWF	20-9-2018		Joke den Haan
Werkwijzer voor genome sequencing gaat ontwikkeling personalised medicine ondersteunen	Interview	ZonMw Medicines (National)	14-11-2018 22-11-2018		Jeroen Beliën
Glyco-immune strategy for Scientific American. The biology of sugars points to a sweet strategy for treating cancer	Expert comment in Journal	Scientific American	20-11-2018	website	Yvette van Kooyk
Presentation for KWF volunteers: HPV and cervical cancer screening	Public Engagement	KWF	27-11-2018		Renske Steenbergen

Awards (since there is no specific information about awards of CCA available of AMC, this is not mentioned in this report)

Name award/honor	Awarded by	Date	Place Ceremony	Researcher
Fellow of ASTRO	American Society Radiation Oncology	23-10-2018		Ben Slotman
Honorary member of AROI	American Society Radiation Oncology	30-11-2018		Ben Slotman
Kate Dinshaw Memorial Award: for lifelong contribution to the field of radiation oncology	Kate Dinshaw Memorial Award	30-11-2018		Ben Slotman
Postdoc stipend	AI&I	19-6-2018	50.000	Famke Scheiders
Work visit grant: Weill Cornell Medicine, New York	AI&I	28-2-2018	5.000	Famke Schneiders
Travel Grant: Weill Cornell Medicine, New York	Women in Science Fund	6-6-2018		Famke Schneiders
Honorary award: abstract selected as meritorious abstract	International Society of Behavioral Medicine	2018		Joost Dekker
International Collaborations Award	International Society of Behavioral Medicine	2018		Joost Dekker
Research Prize: Best Dutch Academic Thesis of 2017	Philips	20-5-2018		Marcus de Jong & Johannes Castelijns
Are anti-EGFR monoclonal antibodies the magic bullets that remove circulating tumor cells in patients with non-small cell lung cancer (NSCLC)?	KWF	2018	175.000	Marjolein van Egmond
Novel Immunotherapies to treat cancer	Foundation Prize	2018	300.000	Marjolein van Egmond
Medal of Merit	German ENT-Society for leading the Make Sense Awareness Campaign	2018		Rene Leemans
Special Recognition Award	European Head and Neck Society	2018		Rene Leemans
Global Short Film Award: Glyotreat	International Cannes Film festival	2018		Yvette van Kooyk

Funding of projects started in 2018

Location VUmc*

Project leader	Project title	Project type	Starting date	Amount
Ang C	ZonMW PREDICD	ZONMW 2013	01-02-2018	€ 357.780
Barkhof F	5RNG Biogen E-learning	BeheerBV	01-01-2018	€ 41.413
Bontkes H	Persisterende pijn	OVERIG 3e GS	01-01-2018	€ 43.118
Bouma G	MLDS - D 17-24	MLD Stichting	28-11-2018	€ 149.737
de Jong D	HOP	OVERIG 3e GS	01-04-2018	€ 201.000
de Vries Helga	09MCB18001	BeheerBV	01-03-2018	€ 150.000
Dorsman J	Fanconi anemia CRISPR	OVERIG 3e GS	01-01-2018	€ 194.780
Dorsman J	Retinoblastoma carcinogenesis	KWF 2016	01-05-2018	€ 200.792
Heideman D	DNA methylering IMPROVE	KWF 2016	01-06-2018	€ 644.801
Hellingman T	Citrien 3	ZONMW 2013	01-01-2018	€ 335.625
Hugtenburg J	MARCH	Bedrijf	01-01-2018	€ 344.400
Kaspers G	Aanstelling Niki Rensen	VUmc fonds	01-03-2018	€ 57.826
Kaspers G	Outreach kinderoncologie-2	VUmc fonds	01-03-2018	€ 149.631
Leidekker M	09HEM18004	BeheerBV	23-04-2018	€ 151.824
Meijer C	Selfscreen 2018-2022	VUmc Spin off	01-01-2018	€ 75.000
Menke-Houven van Oordt C	Foresight study (CCA)	CCA	01-01-2018	€ 249.489
Noske D	Differential RNA methylation	CCA	01-01-2018	€ 247.164
Pegtel M	Inhibiting tumor exosomes	KWF 2016	01-07-2018	€ 183.446
Pegtel M	OS exo immunomodulation	KWF 2016	01-02-2018	€ 523.533
Steenbergen R	HM-DNA-PATH/Mat.	CCA	01-01-2018	€ 90.000
Steenbergen R	Functional characterization	KWF 2016	01-09-2018	€ 595.406
Thunnissen E	09PAT17001	BeheerBV	01-01-2018	€ 34.948
van de Loosdrecht Aart	EMSCO September 2018	OVERIG 4e GS	22-06-2018	€ 74.553
van der Werf Y	Promotietraject Jari Gool	OVERIG 3e GS	01-03-2018	€ 74.562
van Egmond M	09MCB18002	BeheerBV	01-04-2018	€ 69.862
Voortman J	01ONC18010	BeheerBV	09-01-2018	€ 24.152
Wesseling P	GLASS-NL	KWF 2016	01-04-2018	€ 717.824
Widdershoven G	VIRT(2)UE	EU-H2020	01-06-2018	€ 646.003

*Note: only funding > €25k is presented

Location AMC*

Project leader	Project title	Funding	Sponsor	Starting date	Amount
Alderliesten T	Multi-Objective Deformable Image Registration (MODIR)	2	Toegepaste en Technische Wetenschappen (TTW)	01-01-2018	€ 1.071.130
Amant FCH	Flex OiO 3 jaar budget - plannen voor de ontwikkeling van de Gynaecologische Oncologie in het AMC	1	AMC	09-01-2018	€ 216.064
Besselink MGH	Longitudinal assessment and realization of laparoscopic major liver surgery in the Netherlands (LEALIVE) project 17-09	3	Maag, Lever, Darm Stichting	19-02-2018	€ 25.000
Besselink MGH	Vervolg op eerdere Citrien studies.	2	UMC Groningen	01-01-2018	€ 290.625
Besselink MGH	Distal pancreatectomy, minimally invasive or open, for malignancy (DIPLOMA): A pan-European, randomised controlled, multicenter, patient blinded, non-inferiority trial.	4	Covidien AG	01-06-2018	€ 526.702
Besselink MGH	Donatie huidige zorg voor patiënten met pancreaskanker te optimaliseren door aandacht te vragen voor het vaak missen van de diagnose exocriene pancreasinsufficiëntie bij pancreaskanker en de juiste behandeling daarvan	4	Mylan Healthcare B.V.	01-01-2018	€ 60.000

Project leader	Project title	Funding	Sponsor	Starting date	Amount
Bijlsma MF	Combating Therapy-Induced Epithelial To Mesenchymal Transition In Esophageal Cancer	3	KWF Kankerbestrijding	08-01-2018	€ 583.890
Bins AD	A comprehensive analysis of the feasibility of prophylactic vaccination against mismatch repair deficient cancers	3	KWF Kankerbestrijding	01-11-2018	€ 715.937
Bins AD	Selecting the Optimal position of CDK4/6 Inhibitors in HR+ Advanced breast cancer	4	BOOG Study Center B.V.	16-10-2018	€ 67.425
Braamse AMJ	Putting the patient at the center (of care): personalized treatment for psychological symptoms and fatigue in patients with cancer	3	KWF Kankerbestrijding	01-06-2018	€ 640.161
de Bruin DM	Personeelsproject t.b.v. clinical trials Urologie	4	Personeelsproject - Industrie	01-01-2018	€ 68.862
de Bruin DM	Transperineal Laser Ablation for focal therapy of prostatic cancer	4	Elesta S.r.L.	22-08-2018	€ 100.500
de Bruin DM	Blaaskanker - Stichting Cure for Cancer	3	Stichting Cure for Cancer	01-12-2018	€ 207.601
Dekker E	Project onderzoeker poliepectomieën en kwaliteit coloscopieën - PROCOLO	3	Stichting AMC Foundation (Vrijgesteld)	01-10-2018	€ 145.000
Dekker E	Randomized, Double-Blind, Placebo-Controlled Study Of The , Efficacy Safety and Tolerability of EPA-FFA Gastro-Resistant Capsules, In Patients With Familial Adenomatous Polyposis	4	S.L.A.Pharma	10-04-2018	€ 41.767
de Reijke TM	A Phase III, Randomized, Open-Label, Multi-Center, Global Study of Durvalumab and Bacillus Calmette-Guerin (BCG) Administered as Combination Therapy Versus BCG alone in High-risk, BCG-Naive Non-Muscle-Invasive Bladder Cancer Patients (POTOMAC)	4	AstraZeneca BV	14-05-2018	€ 398.885
Eldering EF	Malti Janssen	4	Janssen Research & Development, LLC	01-10-2018	€ 80.000
Fockens P	Nieuwe Resectietechnieken Colon 4	3	Stichting Europees Post Graduate GS School	01-07-2018	€ 58.134
Guikema JEJ	Combatting disorders of adaptive immunity with systems medicine (COSMIC)	2	Europese Unie	01-01-2018	€ 234.998
Guikema JEJ	Aanstelling Guus de Wilde	1	AMC	01-03-2018	€ 26.000
Guikema JEJ	Exploiting metabolic stress vulnerabilities in Multiple Myeloma	3	KWF Kankerbestrijding	16-08-2018	€ 584.020
Guikema JEJ	Development of inhibitors of the APOBEC protein family for the treatment of diseases	4	Cytura Therapeutics BV	17-12-2018	€ 206.960
Hulshof MCCM	Effectiviteit van een blaassparende behandeling in vergelijking met een radicale cystectomie bij patiënten met een niet gemetastaseerd spierinvasief urotheelcelcarcinoom van de blaas	2	ZonMw	25-11-2018	€ 298.585
Kater AP	CT: A Randomized, Open-label, Phase 3 study of the Combination of Ibrutinib plus Venetoclax versus Chlorambucil plus Obinutuzumab for the First-line Treatment of Subjects with Chronic Lymphocytic Leukemia (CLL) / Small Lymphocytic Lymphoma (SLL)	4	Janssen Cilag B.V.	09-04-2018	€ 81.779
Kater AP	CK profiling Of 324 DNA samples at baseline in MURANO Phase III Study	4	Genentech Inc.	19-11-2018	€ 207.000

Project leader	Project title	Funding	Sponsor	Starting date	Amount
Kater AP	Lab, research in CCL	4	Janssen Research & Development, LLC	19-10-2018	€ 192.100
Kenter GG	MD/PhD Scholarship. Regulators of carcinogenesis and predictors of prognosis in HPV-related cancers.	1	AMC (Vrijgesteld)	01-01-2018	€ 139.032
Kersten MJ	Betaling NTB	1	AMC	01-01-2018	€ 108.116
Kersten MJ	CT: A phaes 3, Randomized, Open-Label Study Evaluation the Efficacy of Axicabtagene Ciloleucel versus Standard of Care Therapy in Subjects with Relapsed / Refractory Diffuse Large Cell Lymphoma (ZUMA-7)	4	Kite Pharma, Inc.	31-01-2018	€ 35.655
Kersten MJ	CT: A Phase Ib/II Study of Cobimetinib Administered as Single Agent and in Combination with Venetoclax, with or without Atezolizumab, in Patients with Relapsed and Refractory Multiple Myeloma.	4	Covance CAPS Ltd.	16-02-2018	€ 69.005
Kersten MJ	Analist SHOW - Mw. D. van Nieuwenhuize	3	Stichting Hematologisch Oncologische Wetenschap	15-01-2018	€ 103.417
Kersten MJ	PhD Student Transplant Brave	3	Stichting Hematologisch Oncologische Wetenschap	01-11-2018	€ 106.796
Kok HP	Clinical evaluation of the benefit of planning based steering to improve effectiveness of hyperthermia in cervical cancer patients	3	KWF Kankerbestrijding	01-01-2018	€ 326.487
Koster JJB	Targeting Of Resistance in PEDIatric Oncology	3	KWF Kankerbestrijding	01-09-2018	€ 62.137
Koster JJB	Core Facilities Impuls Div. G - Oncogenomics	1	AMC	01-10-2018	€ 252.633
Kremer LCM	Towards evidence based guidelines for supportive care in childhood oncology	2	UMCG	01-01-2018	€ 100.000
Krishnadath KK	Validation of the biological effect of novel anti-BMP2/4 inhibitor for treatment of Barrett's esophagus	3	Life Sciences Health TKI	01-08-2018	€ 224.000
Luiten RM	AI&I postdoc stipend 2018_2	1	AMC	10-10-2018	€ 70.000
Medema JP	CMS4 colorectal cancer dependencies	1	AMC	15-01-2018	€ 100.000
Medema JP	Detectie en behandeling van darmkanker subtypen	1	AMC	01-08-2018	€ 100.467
Oude Elferink RPJ	Soluble adenylyl cyclase: a tumor suppressor that acts as a double edged sword	3	KWF Kankerbestrijding	01-09-2018	€ 166.346
Pieters BR	Randomized trial for the evaluation of erectile dysfunction after whole or partial gland prostate brachytherapy	3	KWF Kankerbestrijding	01-05-2018	€ 776.497
Punt CJA	Clinical Trial Coördinatie / Alliantie CCA	1	AMC	01-04-2018	€ 68.164
Punt C	An Open-label Phase 1b/2 Study of binimetinib administered in Combination with Nivolumab or Nivolumab plus ipilimumab in Patients with Previously Treated Microsatellite-stable (MSS) Metastatic Colorectal Cancer with RAS Mutation	4	PPD Global Ltd	03-07-2018	€ 112.520
Spaargaren M	Provoking homelessness of the tumor cells as a strategy to cure lymphoma	3	Stichting AMC Foundation (Vrijgesteld)	01-01-2018	€ 720.000
Spaargaren M	Targeting bone marrow retention to provoke homelessness of the tumor cells as a strategy to cure Multiple Myeloma	3	KWF Kankerbestrijding	01-01-2018	€ 583.055

Project leader	Project title	Funding	Sponsor	Starting date	Amount
Spek CA	Targeted chemotherapy in pancreatic cancer: proof of principle in preclinical models.	3	KWF Kankerbestrijding	01-05-2018	€ 501.721
Spek CA	Alvleesklierkanker : basaal wetenschappelijk onderzoek ter verkrijging alternatieve behandelingsmethodes	1	AMC	01-02-2018	€ 120.000
Stalpers LJA	Toxicity prediction in radiotherapy for pelvic cancers, assessing the added value of biological parameters to RT treatment planning variables	3	KWF Kankerbestrijding	01-02-2018	€ 680.516
Stoker J	Assessing Stromal Architecture with MR elastography to predict cytotoxic treatment efficacy in Pancreatic cancer	3	KWF Kankerbestrijding	23-10-2018	€ 772.431
Stoker J	Aanstelling PhD	3	Stichting Europees Post Graduate GS School	01-07-2018	€ 64.157
Tanis PJ	Long-term outcomes of acute left-sided malignant colonic obstruction in the Netherlands; value of 'bridge-to-surgery' strategy.	3	KWF Kankerbestrijding	01-02-2018	€ 135.100
Tanis PJ	Perineal tumor resection flap for closure of the perineal wound after abdominoperineal resection for rectal cancer, BIOPEX 2-study	3	KWF Kankerbestrijding	18-12-2018	€ 341.279
Tromp JM	A Phase 2, Multicenter Study to Evaluate the Efficacy and Safety Using Autologous Tumor Infiltrating lymphocytes (LN-145) in patients with Recurrent, Metastatic or Persistent Cervical Carcinoma	4	lovance, c/o PRA UK Ltd	08-05-2018	€ 52.539
van der Pol E	Veni E. van der Pol	2	NWO (Vrijgesteld)	01-01-2018	€ 250.000
van Kampen AHC	Modelling immune processes	1	AMC	01-01-2018	€ 216.064
van Kampen AHC	Combatting disorders of adaptive immunity with systems medicine (COSMIC)	2	Europese Unie	01-01-2018	€ 3.605.245
van Kampen AHC	Combatting disorders of adaptive immunity with systems medicine (COSMIC)	2	Europese Unie	01-01-2018	€ 520.262
van Laarhoven HWM	Organoid and organotypic cultures to Personalize pancreatic cancer Treatment (OPT study)	3	Stichting voor Lever en Maag- Darmonderzoek	06-03-2018	€ 130.000
van Laarhoven HWM	Non-Invasive Chemistry Imaging in the whole human body (NICI)	2	Europese Unie	01-06-2018	€ 598.594
van Laarhoven HWM	PRIDE	2	UMC Utrecht	28-06-2018	€ 54.150
van Laarhoven HWM	In Search of Stories : a narrative, multimodal intervention for spiritual care of advanced cancer patients	3	KWF Kankerbestrijding	01-10-2018	€ 510.695
van Oijen MGH	Evidence-based care for Colorectal cancer in The Netherlands during 2008-2015; a retrospective cohort study and provider survey of the dutch colorectal Cancer Group (DCCG)	4	Servier Nederland Farma B.V.	03-07-2018	€ 25.000
Vermeulen L	Dr. Louis Vermeulen research as a New York Stem Cell Foundation - Robertson Investigator (the Award)	3	The New York Stem Cell Foundation (NYSF)	01-01-2018	€ 1.275.300
Vermeulen L	Aanschaf van een Quate Bio-Rad QX200 digital droplet PCR reader voor het project " 'just right signaling' in colorectal cancer through precise genome engineering and digital droplet PCR"	3	Maurits en Anna de Kock Stichting	01-06-2018	€ 39.950
Vermeulen L	Preventie van darmkanker in het Lynch syndroom	1	AMC	01-07-2018	€ 291.935

Project leader	Project title	Funding	Sponsor	Starting date	Amount
Versteeg R	Challenging the gaps in global cancer concepts by a real life tumor: human childhood neuroblastoma	1	AMC	01-06-2018	€ 98.500

*Note: only funding > €25k is presented

VUmc total: 7.000.000,-

AMC total: 22.000.000,-