

Publications

(in reverse chronological order, underlined names are past/present Haigh Lab members, #equal contributions, Papers in RED are first/last author publications, Impact Factors (IF) based upon 2020-2021 data)

AVG IF of all publications=13.63 (N=105)

AVG IF of First/Last Author publications=11.72 (N=28)

Career Citations >9145

H-index=48

Non peer review submitted pre-publication articles.

Large-scale population analysis of SARS-CoV2 whole genome sequences reveals host-mediated viral evolution with emergence of mutations in the viral Spike protein associated with elevated mortality rates.

Carlos Farkas, Andy Mella, **Jody J. Haigh**

medRxiv, posted Oct 27, 2020

Insights on early mutational events in SARS-CoV-2 virus reveal founder effects across geographical regions. Carlos Farkas, Francisco Fuentes-Villalobos, José Luis Garrido,

Jody J Haigh, María Inés Barría

bioRxiv, posted April 12, 2020

TINC - a method to dissect transcriptional complexes at single locus resolution - reveals novel Nanog regulators in mouse embryonic stem cells. AS Knaupp, M Mohenska, MR Larcombe, E Ford, SM Lim, K Wong, J Chen, J Firas, C Huang, X Liu, T Nguyen, YBY Sun, ML Holmes, P Tripathi, FJ Rossello, J Schröder, CM Nefzger, PP Das, **JJ Haigh**, R Lister, RB Schittenhelm, JM Polo

bioRxiv, posted April 4, 2020

Modeling Braf-induced thyroid cancer development and drug screening using pluripotent stem cell-derived organoids. Hélène Lasolle, Andrea Schiavo, Adrien Tourneur, Pierre Gilotay, Bárbara

de Faria daFonseca, _Lucieli Ceolin, Olivier Monestier, Benilda Aganahi, Laura Chomette, _MarinaK isys Polisel, Lieven Haenabalcke, _Tim Pieters, _Steven Goossens, **Jody Haigh**, _Vincent Detours, Ana Luiza, Silva Maia, Sabine Costagliola, Mirian Romaitti

bioRxiv, posted April 02, 2023

Submitted or In Revision

107. *Modeling Braf-induced thyroid cancer development and drug screening using pluripotent stem cell-derived organoids.* H el ene Lasolle, Andrea Schiavo, Adrien Tourneur, Pierre Gilotay, _Lucieli Ceolin, Olivier Monestier, Benilda Aganahi, Laura Chomette, _MarinaKisys Polisel, Lieven Haenabalcke, _Tim Pieters, _Steven Goossens, **Jody Haigh**, _Vincent Detours, Ana Luiza, Silva Maia, Sabine Costagliola, Mirian Romaitti
Cancer Research, Submitted April 17, 2023 [IF=13.3]

106. *Asparagine synthetase marks a distinct dependency threshold for cardiomyocyte dedifferentiation.* Yike Zhu, Matthew Ackers-Johnson, Muthu K Shanmugam, Leroy Sivappiragasam Pakkiri, Chester Lee Drum, Chen Yanpu, Johnny Kim, Wilson Lek, Wen Tan, Jiang Jianming, Luu Danh, Anh Tuan, Shi Ling Ng, Peter Yi, Qing Li, **Jody J. Haigh**, Zenia Tiang, A. Mark Richards, Roger Foo
Circulation, In revision [IF=39.92]

Published or Accepted

2023

105. *Unveiling the Complexity of Transcription Factor Networks in Hematopoietic Stem Cells: implications for cell therapy and hematological malignancies.* Aissa Benyoucef, Jody J. Haigh, Majorie Brand. *Front. Oncol.* 13:1151343. Review Accepted June 14, 2023 (Review) [IF=6.244]

104. *Monitoring AKT activity and targeting in live tissue and disease settings using a real-time AKT-FRET biosensor mouse.* James R.W. Conway, Sean C. Warren, Young-Kyung Lee, Andrew T. McCulloch, Astrid Magenau, Victoria Lee, Xanthe L. Metcalf, Janett Stoehr, Katharina Haigh, Lea Abdulkhalek, Cristian S. Guaman, Daniel A. Reed, Kendelle J. Murphy, Brooke A. Pereira, Pauline M el enec, Sharissa L. Latham, Helen Lenthall, Elissa K. Deenick, Yuanqing Ma, Tri Phan, Elgene Lim, Anthony M. Joshua, Stacey Walters, Shane T. Grey, Yan-Chan Shi, Lei Zhang, Herbert Herzog, David R. Croucher, Andy Philp, David Herrmann, Owen J. Sansom, Jennifer P. Morton, Antonella Papa, **Jody J. Haigh**[#], Max Nobis^{*#}, Paul Timpson^{*#}. *equal contributions, [#]co-corresponding author
Science Advances, Accepted March 20, 2023, In Press [IF=14.14]

103. *STAT5 activation promotes stemness and therapeutic resistance of leukemia-regenerating cells.* Cedric S. Tremblay, Jesslyn Saw, Jacqueline A. Boyle, Katharina Haigh, Veronique Litalien, Hannah McCalmont, Kathryn Evans, Jessica M. Salmon, Richard B. Lock, Stephen M. Jane, **Jody J. Haigh**, and David J. Curtis
Blood Journal, March 29, 2023 [IF=25.48]

102. [*Dysregulation of Grainyhead-like 3 expression causes widespread developmental defects.*](#) Zihao Deng, Tariq Butt, Benedicta D. Arhatari, Charbel Darido, Alana Auden, Dijina Swaroop, Darren D. Partridge, [Katharina Haigh](#), Thao Nguyen, **Jody J. Haigh**, Marina R. Carpinelli[#] and Stephen M. Jane[#] [#]co-corresponding author

Dev Dyn, 2023, Jan <https://doi.org/10.1002/dvdy.565> [IF=3.78]

2022

101. [*GATA3 mediates nonclassical \$\beta\$ -catenin signaling in skeletal cell fate determination.*](#)

Maruyama T., Hasegawa, D., Valenta, T., **Haigh, J.J.**, Bouchard, M., Basler, K., Hsu, W.

Science Advances 2022, Nov 8:1-11 [IF=14.14]

100. [*JAK/BCL2 inhibition acts synergistically with LSD1 inhibitors to selectively target ETP-ALL.*](#) Aissa Benyoucef, [Katharina Haigh](#), Andrew Cuddihy, **Jody J. Haigh**

Leukemia 2022, Oct 13. 36:2802-2816 [IF=11.53]

99. [*Annotate my genomes: an easy-to-use pipeline to improve genome annotation and uncover neglected genes by hybrid RNA sequencing.*](#) Carlos Farkas, Antonia Recabal, Daniel Candia-Herrera, Maria de los Angeles Garcia, **Jody J. Haigh**, Estefania Tarifeño-Saldivia* and Teresa Caprile*

Gigascience, 2022, Dec 11:1-14 [IF=7.66]

98. [*The MEF2C oncogene opposes NOTCH1 in T versus B lineage decision and drives leukemia in the thymus context.*](#) Kirsten Canté-Barrett, Valentina Cordo, Rico Hagelaar, Mariska Meijer, Marloes Nulle, Willem K. Smits, Joris Jansen, **Jody J. Haigh**, [Steven Goossens](#), and Jules P.P. Meijerink

JCI insight-2022 Jul 8;7(13): e150363. [IF=9.48] {Citations=2}

2021

97. [*Interplay between the EMT transcription factor Zeb1 and Zeb2 regulates hematopoietic stem and progenitor cell differentiation and hematopoietic lineage fidelity.*](#) Jueqiong Wang, [Carlos Farkas](#), [Aissa Benyoucef](#), [Catherine Carmichael](#), [Katharina Haigh](#), Nick Wong, Danny Huylebroeck, Marc P. Stemmler, Simone Brabletz, Thomas Brabletz, Christian Neftzger, [Steven Goossens](#), Geert Berx, Jose M. Polo, **Jody J. Haigh**

PLOS Biology- 2021 19(9): e3001394 [IF=9.59] {Citations=10}

96. [*Tumor suppressing subtransferable candidate 4 \(TSSC4\) is a novel tumor suppressor that is upregulated in cancer cells contributing to sustainable cancer cell growth via autophagy inhibition.*](#) Yongqiang Chen, Zhaoying Zhang, Elizabeth S. Henson, [Andrew Cuddihy](#), [Katharina Haigh](#), Ruobing Wang, **Jody J. Haigh**, Spencer B. Gibson

Autophagy- 2021 September 17 [IF=16.02] {Citations=8}

95. [*Reversible reprogramming of cardiomyocytes to a fetal state drives adult heart regeneration in mice.*](#) Chen, Y., Luttmann, F., **Haigh, J.J.**, Kim, J.[#], Braun, T.[#]

Science-2021 Sept 24; 373(6562):1537-1540 [IF=63.71] {Citations=66}

94. [Fetal hematopoietic stem cell homing is controlled by stromal VEGF regulating the integrity of the vascular niche and the oxidative status of the stromal-vascular bone marrow niches.](#)

Marion Mesnieres, Anna-Marei Böhm, Nicolas Peredo, Dana Trompet, Manmohan Bajaj, Nikky Corthout, Elena Nefyodova, Ruben Cardoen, Pieter Baatsen, Sebastian Muck, Andras Nagy,

Jody J. Haigh, Satish Khurana, Catherine M. Verfaillie and Christa Maes

Cell Reports- 2021 August 24;36(8):109618 [IF=10] {Citations=5}

93. [A novel SARS-CoV-2 viral sequence tracking platform has found genetic evidence that the viral 3' untranslated region \(UTR\) is evolving and generating increased viral diversity.](#)

Carlos Farkas, Andy Mella, Maxime Turgeon, **Jody J. Haigh**

Frontiers in Microbiology-Virology- 12, 109618 [4.08] {Citations=14}

92. [CRISPR/Cas9 - The holy grail for generating biomedically relevant cells through cell fate engineering. \(Review\)](#) **Vignesh Krishnamoorthy** and **Jody J. Haigh**

Re:GEN Open, 2021 June 15 [IF=NA]

91. [Peripheral-specific Y1 receptor antagonist increases thermogenesis and protects against diet-induced obesity.](#)

Chenxu Yan[#], Tianshu Zeng[#], Kailun Lee[#], Max Nobis, Kim Loh, Luoning Gou, Zefeng Xia, Zhongmin Gao, Mohammed Bensellam, Will Hughes, Jackie Lau, Lei Zhang¹, Chi 4 Kin Ip, Ronaldo Enriquez, Hanyu Gao, Qiao-Ping Wang, Qi Wu², **Jody J Haigh**, D Ross Laybutt, Paul Timpson, Herbert Herzog[#], Yan-Chuan Shi[#]

Nature Communications, 2021 May 11; 12:262 [IF=17.69] {Citations=27}

90. [Endothelial Zeb2 preserves the hepatic angioarchitecture and protects against liver fibrosis.](#)

Willeke de Haan, Wouter Dheedene, Eskeatnaf Mulugeta, Stefan Vinckier, Stefaan Verhulst, Andrea Conidi, Michael W. Staring, Petra Vandervoort, Ellen Caluwé, Marleen Lox, Inge Mannaerts, Tsuyoshi Takagi, Joris Jaekers, Geert Berx, **Jody J. Haigh**, Baki Topal, An Zwijsen, Yujiro Higashi, Leo A. van Grunsven, Wilfred F.J. Van IJcken, Danny Huylebroeck and Aernout Luttun

Cardiovascular Research- 2021 April 28 [IF=10.79] {Citations=11}

89. [Cardiomyocytes stimulate angiogenesis after ischemic injury in a ZEB2-dependent manner.](#)

Monika Gladka, Arwa Kohela, Bas Molenaar, Danielle Versteeg, Lieneke Kooijman, Harmjan Vos, Manon Huibers, **Jody Haigh**, Danny Huylebroeck, Mauro Giacca, Eva Van Rooij

Nature Communications 2021 Jan 4;12(1):84 [IF=17.69] {Citations=29}

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88. [TINC - a method to dissect transcriptional complexes at single locus resolution - reveals novel Nanog regulators in mouse embryonic stem cells.](#)

AS Knaupp, M Mohenska, MR Larcombe, E Ford, SM Lim, K Wong, J Chen, J Firas, C Huang, X Liu, T Nguyen, YBY Sun, ML Holmes, P Tripathi, FJ Rossello, J Schröder, CM Nefzger, PP Das, **JJ Haigh**, R Lister, RB Schittenhelm, JM Polo

Stem Cell Reports Dec 2020 15(6): 1246-1259 [IF=7.77] {Citations=9}

87. [Insights on early mutational events in SARS-CoV-2 virus reveal founder effects across geographical regions.](#) Carlos Farkas, Francisco Fuentes-Villalobos, José Luis Garrido, **Jody J Haigh**, María Inés Barría
PeerJ DOI: [10.7717/peerj.9255](https://doi.org/10.7717/peerj.9255) [IF=3.061] {Citations=30}

86. [Zeb2 drives invasive and microbiota-dependent colon carcinoma.](#) Karolina Lucja Slowicka, Ioanna Petta, Gillian Blancke, Esther Hoste, Emilie Dumas, Mozes Sze, Hanna-Kaisa Vikkula, Konstantina Zafeiropoulou, Enrico Radaelli, **Jody J Haigh**, Sven Jonckheere, Joachim Taminau, Niels Vandamme, Andy Wullaert, Eugene Tulchinsky, David Nittner, Pieter Van Vlierberghe, Gert De Hertogh, Pamela Baldin, Hakki Emre Etlioglu, Pratyaksha Wirapati, Louis Boon, Bart Lambrecht, Chris Callewaert, Sabine Tejpar, Steven Goossens, Geert Berx, Lars Vereecke, Geert van Loo
Nature Cancer, 2020 June 1:620–634 [IF=23.18] {Citations=26}

85. [The EMT modulator SNAIL1 contributes to AML pathogenesis via its interaction with LSD1.](#) Catherine L Carmichael[#], Jueqiong Wang, Thao Nguyen, Aissa Benyoucef, Charlotte De Mazière, Anna Milne, Soroor Hediye-zadeh, Anh Vo, Yizhou Huang, Kathy Knezevic, William R L McInnes, Benjamin Shields, Helen Mitchell, Matthew E Ritchie, Katharina Haigh, Julie A I Thoms, Ethan P Oxley, Ross A Dickins, Dominik Beck, Andrew Perkins, Matthew McCormack, Melissa J Davis, Geert Berx, Johannes Zuber, John E Pimanda, Benjamin Kile, Steven Goossens[#] and **Jody J Haigh**[#]
Blood. 2020 Aug 20;136(8):957-973 [IF=25.48] {Citations=28}

84. [The EMT transcription factor ZEB2 promotes proliferation of primary and metastatic melanoma while suppressing an invasive, mesenchymal-like phenotype.](#) Niels Vandamme, Geertrui Denecker, Kenneth Bruneel, Özden Akay, Gillian Blancke, Joachim Taminau, Eva De Smedt, Nicolas Skrypek, Mr. Wouter Van Loocke, Jasper Wouters, David Nittner, Corinna Köhler, Douglas Darling, Phil Cheng, Marieke Raaijmakers, Mitchell Levesque, Udupi Girish Mallya, Mairin Rafferty, Balazs Balint, William Gallagher, Lieve Brochez, Danny Huylebroeck, **Jody Haigh**, Pieter Van Vlierberghe, Steven Goossens, Joost van den Oord, Jean-Christophe Marine, Geert Berx
Cancer Research, 2020 June 5; 2983-2995 [IF=12.7] {Citations=36}

83. [Inactivation of Zeb1 in GRHL2-deficient mouse embryos rescues mid-gestation viability and secondary palate closure.](#) Carpinelli MR, de Vries ME, Auden A, Butt T, Deng Z, Partridge DD, Miles LB, Georgy SR, **Haigh JJ**, Darido C, Brabletz S, Brabletz T, Stemmler MP, Dworkin S, Jane SM.
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2019

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Sci Rep 2019 Dec 20;9(1):19489. [IF=5.0] {Citations=16}

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79. [Modulating PKC \$\alpha\$ Activity to Target Wnt/ \$\beta\$ -Catenin Signaling in Colon Cancer](#). Dupasquier S, Blache P, Picque Lasorsa L, Zhao H, Abraham JD, **Haigh JJ**, Ychou M, Prévostel C.

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78. [GNrep mouse: A reporter mouse for front-rear cell polarity](#). Barbacena P, Ouarné M, **Haigh JJ**, Vasconcelos FF, Pezzarossa A, Franco CA.

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75. [Intravital Imaging to Monitor Therapeutic Response in Moving Hypoxic Regions Resistant to PI3K Pathway Targeting in Pancreatic Cancer](#). Conway JRW, Warren SC, Herrmann D, Murphy KJ, Cazet AS, Vennin C, Shearer RF, Killen MJ, Magenau A, Méléneq P, Pinese M, Nobis M, Zaratian A, Boulghourjian A, Da Silva AM, Del Monte-Nieto G, Adam ASA, Harvey RP, **Haigh JJ**, Wang Y, Croucher DR, Sansom OJ, Pajic M, Caldon CE, Morton JP, Timpson P.

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73. [A knock-in/knock-out mouse model of HSPB8-associated distal hereditary motor neuropathy and myopathy reveals toxic gain-of-function of mutant Hspb8.](#) Delphine Bouhy, Manisha Juneja, Istvan Katona, Anne Holmgren, Bob Asselbergh, Vicky De Winter, Tino Hochepped, [Steven Goossens](#), **Jody J. Haigh**, Claude Libert, Chantal Ceuterick-de Groote, Joy Irobi, Joachim Weis, Vincent Timmerman
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2017

72. [Platelet-Targeted Delivery of Peripheral Blood Mononuclear Cells to The Ischemic Heart Restores Cardiac Function After Ischemia-Reperfusion Injury.](#) Melanie Ziegler, Xiaowei Wang, Bock Lim, Ephraem Leitner, Franco Klingberg, Victoria Ching, Yu Yao, Dexing Huang, Xiao-Ming Gao, Helen Kiriazis, Xiao-Jun Du, **Jody J. Haigh**, Alex Bobik, Christoph E. Hagemeyer, Ingo Ahrens, Karlheinz Peter
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70. [Zeb2 is essential for pluripotency exit and neural differentiation of mouse embryonic stem cells.](#) Stryjewska, A., Dries, R., [Pieters, T.](#), Verstappen, G., Conidi, A., Coddens, K., Umans, L., van Ijcken, W., van Grunsven, L.A., [Goossens, S.](#), **Haigh, J.J.**, Huylebroeck, D.
Stem Cells, March. 35(3): 611-625 [IF=6.28] {Citations=45}

69. [Oncogenic ZEB2 activation drives sensitivity towards LSD1 inhibition in T-cell acute lymphoblastic leukemia.](#) [Steven Goossens[#]](#), [Sofie Peirs[#]](#), [Wouter Van Loocke](#), [Mina Takawy](#), [Stefan Sonderegger](#), [Katharina Haigh](#), [Thao Ngyuen](#), [Niels Vandamme](#), [Magdaline Costa](#), [Catherine Carmichael](#), [Filip Van Nieuwerburgh](#), [Dieter Deforce](#), [Oded Kleifeld](#), [David Curtis](#), [Geert Berx](#), [Pieter Van Vlierberghe^{*}](#) and **Jody J. Haigh^{*}**
Blood Journal, Feb 23. 129(8): 981-990 [IF=25.48] {Citations=25}

68. [Transitional B cells commit to marginal zone B cell fate by Taok3-mediated surface expression of ADAM10.](#) Hammad H, Vanderkerken M, Pouliot P, Deswarte K, Toussaint W, Vergote K, Vandersarren L, Janssens S, Ramou I, Savvides SN, **Haigh JJ**, Hendriks R, Kopf M, Craessaerts K, de Strooper B, Kearney JF, Conrad DH, Lambrecht BN
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66. [The Snail family in normal and malignant hematopoiesis](#). Catherine Carmichael and **Jody J. Haigh** *Cells, Tissues, Organs* (Review), Feb 1. 203(2): 82-98 [IF=2.48] {Citations=11}

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