

## Damien CHAUSSABEL

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### Education

Postgraduate Training:

2000 – 2004 Postdoctoral Fellow, National Institute of Allergy and Infectious Diseases, National Institutes of Health (Bethesda, MD, USA)

Graduate Training:

1999 Ph.D., Immunology (with the highest distinction), Laboratory of Experimental immunology, University of Brussels (ULB), Belgium.

1995 B. Sc., Biology (with great distinction), University of Brussels (ULB), Belgium.

### Faculty and Academic Appointments

2022/02-Present Principal Scientist, Computational Sciences Department, The Jackson Laboratory, Farmington, CT, USA

2021 – 2022 Executive Director, Translational Medicine Department & Full level investigator, Sidra Medicine, Doha, Qatar

2014 - 2021 Director, Immunology Department (2019-2021) & Full level investigator and Director, department of Systems Biology (2014-2019), Sidra Medicine, Doha, Qatar

2010 – 2014 Associate Member and Director, Division of Systems Immunology, Benaroya Research Institute at Virginia Mason, Seattle, WA

2004 – 2010 Assistant Investigator (2004-2008) & Associate Investigator and Director, Center for Personalized Medicine (2008-2010), Baylor Institute for Immunology Research, Dallas, TX

### Publications

Selected publication, out of a total of 145 are included in the table below; a complete list can be accessed via:

<https://pubmed.ncbi.nlm.nih.gov/?term=chaussabel+%5Bau%5D&sort=date&size=20>

144. Altman MC, Rinchai D, ..., **Chaussabel D**. Development of a fixed module repertoire for the analysis and interpretation of blood transcriptome data. *Nat Commun*. 2021 Jul 19;12(1):4385.

139: Rinchai D., Roelands J, Toufiq M., Hendrickx W., Altman M., Bedognetti D., and **Chaussabel D**. BloodGen3Module: Blood transcriptional module repertoire analysis and visualization using R. *Bioinformatics*. 2021, *Bioinformatics*. 2021 Feb 24:btab121.

136: Rinchai D, Altman MC, Konza O, Hässler S, Martina F, Toufiq M, Garand M, Kabeer BSA, Palucka K, Mejias A, Ramilo O, Bedognetti D, Mariotti-Ferrandiz E, Klatzmann D, **Chaussabel D**.

<p>Definition of erythroid cell-positive blood transcriptome phenotypes associated with severe respiratory syncytial virus infection. <i>Clin Transl Med.</i> 2020 Dec;10(8):e244.</p>
<p>119: Brummaier T, Kabeer B..., <b>Chaussabel D.</b> A prospective cohort for the investigation of alteration in temporal transcriptional and microbiome trajectories preceding preterm birth: a study protocol. <i>BMJ Open.</i> 2019 Jan 15;9(1):e023417.</p>
<p>118: 1: Hernandez N, Melki I, ..., <b>Chaussabel D,</b> Notarangelo LD, Elledge SJ, Ciancanelli MJ, Abel L, Zhang Q, Marr N, Crow YJ, Su HC, Casanova JL. Life-threatening influenza pneumonitis in a child with inherited IRF9 deficiency. <i>J Exp Med.</i> 2018 Oct 1;215(10):2567-2585.</p>
<p>115: Dunning J, Blankley S, Hoang LT, Cox M, Graham CM, James PL, Bloom CI, <b>Chaussabel D,</b> Banchereau J, Brett SJ; MOSAIC Investigators, Moffatt MF, O'Garra A, Openshaw PJM. Progression of whole-blood transcriptional signatures from interferon-induced to neutrophil-associated patterns in severe influenza. <i>Nat Immunol.</i> 2018 Jun;19(6):625-635.</p>
<p>114: <b>Chaussabel D,</b> Rinchai D. Using "Collective Omics Data" for Biomedical Research Training. <i>Immunology.</i> 2018 Apr 28. doi: 10.1111/imm.12944.].</p>
<p>102. Speake C, Whalen E, Gersuk VH, <b>Chaussabel D,</b> Odegard JM, Greenbaum CJ. Longitudinal Monitoring of Gene Expression in Ultra-Low Volume Blood Samples Self-Collected at Home. <i>Clin Exp Immunol.</i> 2016 Dec 23.</p>
<p>98. Mahajan P, Kuppermann N, Mejias A, Suarez N, <b>Chaussabel D,</b> ..., Ramilo O; Pediatric Emergency Care Applied Research Network (PECARN). Association of RNA Biosignatures With Bacterial Infections in Febrile Infants Aged 60 Days or Younger. <i>JAMA.</i> 2016 Aug 23-30;316(8):846-57.</p>
<p>80. <b>Chaussabel D,</b> Pulendran B. A vision and a prescription for big data-enabled medicine. <i>Nat Immunol.</i> 2015 Apr 21;16(5):435-9.</p>
<p>75. Alsina L, Israelsson C, ..., <b>Chaussabel D</b> A narrow repertoire of transcriptional modules responsive to pyogenic bacteria is impaired in patients carrying loss-of-function mutations in <i>MYD88</i> or <i>IRAK4</i>. <i>Nat Immunol.</i> 2014 Dec;15(12):1134-42.</p>
<p>72. <b>Chaussabel D.,</b> Baldwin N. Democratizing Systems Immunology with Modular Transcriptional Repertoire Analyses. <i>Nat Rev Immunol.</i> 2014 Mar 25;14(4):271-80.</p>
<p>61. Obermoser G, Presnell S, ... <b>Chaussabel D.</b> Systems scale interactive exploration reveals quantitative and qualitative differences in response to influenza and pneumococcal vaccines. <i>Immunity.</i> 2013 Apr 18;38(4):831-44. PubMed PMID: 23601689; PubMed Central PMCID: PMC3681204.</p>
<p>37. Berry MP, Graham CM, McNab FW, Xu Z, Bloch SA, Oni T, Wilkinson KA, Banchereau R, Skinner J, Wilkinson RJ, Quinn C, Blankenship D, Dhawan R, Cush JJ, Mejias A, Ramilo O, Kon OM, Pascual V, Banchereau J, <b>Chaussabel D,</b> O'Garra A. An interferon-inducible neutrophil-</p>

driven blood transcriptional signature in human tuberculosis. *Nature*. 2010 Aug 19;466(7309):973-7. PubMed PMID: 20725040; PubMed Central PMCID: PMC3492754.