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Key publications

Year of publication 2021

Lucilla Fabbri, Alina Chakraborty, Caroline Robert, Stéphan Vagner (2021 Sep 4)

The plasticity of mRNA translation during cancer progression and therapy resistance.

Nature reviews. Cancer : 558-577 : [DOI : 10.1038/s41568-021-00380-y](https://doi.org/10.1038/s41568-021-00380-y)

Charlotte Audouinaud, Stéphan Vagner, Sarah Lambert (2021 Jul 5)

Non-homologous end-joining at challenged replication forks: an RNA connection?

Trends in genetics : TIG : [DOI : S0168-9525\(21\)00166-9](https://doi.org/S0168-9525(21)00166-9)

Shensi Shen, Isabelle Girault, Hélène Malka-Mahieu, Caroline Robert, Stéphan Vagner (2021 Jun 23)

detection of the eIF4F translation initiation complex in mammalian cells and tissues.

STAR protocols : 100621 : [DOI : 10.1016/j.xpro.2021.100621](https://doi.org/10.1016/j.xpro.2021.100621)

Martin Dutertre, Rym Sfaxi, Stéphan Vagner (2021 Feb 27)

Reciprocal Links between Pre-messenger RNA 3'-End Processing and Genome Stability.

Trends in biochemical sciences : [DOI : S0968-0004\(21\)00023-2](https://doi.org/S0968-0004(21)00023-2)

Gaetana Sessa, Belén Gómez-González, Sonia Silva, Carmen Pérez-Calero, Romane Beaupere, Sonia Barroso, Sylvain Martineau, Charlotte Martin, Åsa Ehlén, Juan S Martínez, Béragère

Lombard, Damarys Loew, Stephan Vagner, Andrés Aguilera, Aura Carreira (2021 Feb 26)

BRCA2 promotes R-loop resolution by DDX5 helicase at DNA breaks to facilitate their repair by homologous recombination.

The EMBO journal : e106018 : [DOI : 10.15252/emboj.2020106018](https://doi.org/10.15252/emboj.2020106018)

Andrey Kleshnin, Léa Monet, Marina Plays, Hugo Vaysset, Claire Rougeulle, Stéphan Vagner (2021 Jan 6)

Amid darkness, light will prevail - a report on the 2020 annual SFC meeting on “Dark genome and Cancer”

Bulletin du cancer : [DOI : S0007-4551\(20\)30510-5](https://doi.org/10.5007-4551(20)30510-5)

Year of publication 2018

Caroline Robert, Stéphan Vagner (2018 Nov 1)

Boosting Immunity by Targeting Post-translational Prenylation of Small GTPases.

Cell : 901-902 : [DOI : S0092-8674\(18\)31385-0](https://doi.org/10.1016/j.cell.2018.10.019)

Year of publication 2017

Martin Dutertre, Stéphan Vagner (2017 Oct 27)

DNA-Damage response RNA-Binding Proteins (DDRBP)s: Perspectives from a new class of proteins and their RNA targets.

Journal of molecular biology : [DOI : 10.1016/j.jmb.2016.09.019](https://doi.org/10.1016/j.jmb.2016.09.019)

Michelle Newman, Rym Sfaxi, Abhijit Saha, David Monchaud, Marie-Paule Teulade-Fichou, Stéphan Vagner (2017 Oct 27)

The G-Quadruplex-Specific RNA Helicase DHX36 Regulates p53 Pre-mRNA 3'-End Processing Following UV-Induced DNA Damage.

Journal of Molecular Biology : 429 : 3121-3131 : [DOI : 10.1016/j.jmb.2016.11.033](https://doi.org/10.1016/j.jmb.2016.11.033)

Helene Malka-Mahieu, Michelle Newman, Laurent Desaubry, Caroline Robert, Stephan Vagner (2017 Jan 1)

Molecular Pathways: The eIF4F Translation Initiation Complex- New Opportunities for Cancer Treatment.

Clinical cancer research : an official journal of the American Association for Cancer Research : [DOI : 10.1158/1078-0432.CCR-14-2362](https://doi.org/10.1158/1078-0432.CCR-14-2362)

Year of publication 2016

Anne Cammas, Magali Lacroix-Triki, Sandra Pierredon, Morgane Le Bras, Jason S Iacovoni, Marie-Paule Teulade-Fichou, Gilles Favre, Henri Roché, Thomas Filleron, Stefania Millevoi, Stéphan

Vagner (2016 Mar 29)

hnRNP A1-mediated translational regulation of the G quadruplex-containing RON receptor tyrosine kinase mRNA linked to tumor progression.

Oncotarget : 7 : 16793-16805 : [DOI : 10.18632/oncotarget.7589](https://doi.org/10.18632/oncotarget.7589)

Year of publication 2014

Lise Boussemart, Hélène Malka-Mahieu, Isabelle Girault, Delphine Allard, Oskar Hemmingsson, Gorana Tomasic, Marina Thomas, Christine Basmadjian, Nigel Ribeiro, Frédéric Thuaud, Christina Mateus, Emilie Routier, Nyam Kamsu-Kom, Sandrine Agoussi, Alexander M Eggermont, Laurent Désaubry, Caroline Robert, Stéphan Vagner (2014 Sep 4)

EIF4F is a nexus of resistance to anti-BRAF and anti-MEK cancer therapies.

Nature : 105-9 : [DOI : 10.1038/nature13572](https://doi.org/10.1038/nature13572)

Martin Dutertre, Sarah Lambert, Aura Carreira, Mounira Amor-Guéret, Stéphan Vagner (2014 Mar 1)

DNA damage: RNA-binding proteins protect from near and far.

Trends in biochemical sciences : 141-9 : [DOI : 10.1016/j.tibs.2014.01.003](https://doi.org/10.1016/j.tibs.2014.01.003)

Year of publication 2013

L Boussemart, E Routier, C Mateus, K Opletalova, G Seville, N Kamsu-Kom, M Thomas, S Vagner, M Favre, G Tomasic, J Wechsler, L Lacroix, C Robert (2013 Jun 1)

Prospective study of cutaneous side-effects associated with the BRAF inhibitor vemurafenib: a study of 42 patients.

Annals of oncology : official journal of the European Society for Medical Oncology : 1691-7 : [DOI : 10.1093/annonc/mdt015](https://doi.org/10.1093/annonc/mdt015)