

# Exploring the benefits of inhibiting HIF and Notch to overcome resistance to cancer therapy

## Citation for published version (APA):

Moreno Roig, E. (2018). *Exploring the benefits of inhibiting HIF and Notch to overcome resistance to cancer therapy*. Maastricht University. <https://doi.org/10.26481/dis.20181114em>

## Document status and date:

Published: 01/01/2018

## DOI:

[10.26481/dis.20181114em](https://doi.org/10.26481/dis.20181114em)

## Document Version:

Publisher's PDF, also known as Version of record

## Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

## General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

[www.umlib.nl/taverne-license](http://www.umlib.nl/taverne-license)

## Take down policy

If you believe that this document breaches copyright please contact us at:

[repository@maastrichtuniversity.nl](mailto:repository@maastrichtuniversity.nl)

providing details and we will investigate your claim.

# Propositions

Belonging to the thesis entitled:

**“Exploring the benefits of inhibiting HIF and Notch to overcome resistance to cancer therapy”**

**Eloy Moreno Roig**  
Maastricht 2018

1. Specific inhibition of HIF-1a and/or HIF-2a contribute to relevant changes in several cellular properties which are crucial for the maintenance and regulation of many tumorigenic characteristics of non-small cell like cancer (NSCLC) cells (*this thesis*).
2. Our findings suggest a new promising use for Notch inhibitors as modulators of the response to DNA damage which in consequence would benefit the regenerative capacity of tissues subjected to irradiation (*this thesis*).
3. Understanding the involvement of the different gamma-secretase subunit organization in Notch processing may help to develop novel gamma-secretase inhibitors specifically aiming to one disease-related substrate, while sparing the other physiological substrates (*this thesis*).
4. Many biomarkers have been already identified to strategy patients for personalized treatment. Since many cancer patients receive radiation treatment, approaches that influence radiation therapy have a great impact on the outcome of the disease (*Valorization*).
5. “Unlike other diseases, the vulnerability to cancer lies in ourselves. We always thought of disease as exogenous, but research into cancer has turned that idea on its head - as long as we live, grow, age, there will be cancer” (*Siddhartha Mukherjee*).
6. “Every cancer looks different. Every cancer has similarities to other cancers. And we're trying to milk those differences and similarities to do a better job of predicting how things are going to work out and making new drugs” (*Harold. E. Varmus*).
7. “Cancer is like the common cold; there are so many different types. In the future we'll still have cancer, but we'll detect it very, very early, so that it won't kill anybody. We'll zap it at the molecular level decades before it grows into a tumor” (*Michio Kaku*).
8. “Right now, I am trying to be in a place of calm, a place where I can chill out and then handle the chaos of life better. You don't just get it overnight; you have to work at it. It's a daily struggle” (*Jackee Harry*).
9. “Develop a passion for learning. If you do, you will never cease to grow” (*Anthony J. D'Angelo*).
10. “Our greatest glory is not in never falling, but in rising every time we fall” (*Confucius*).