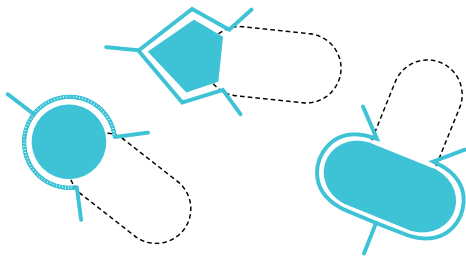


What is

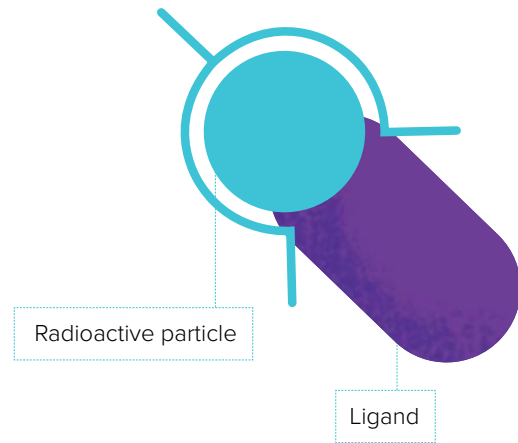
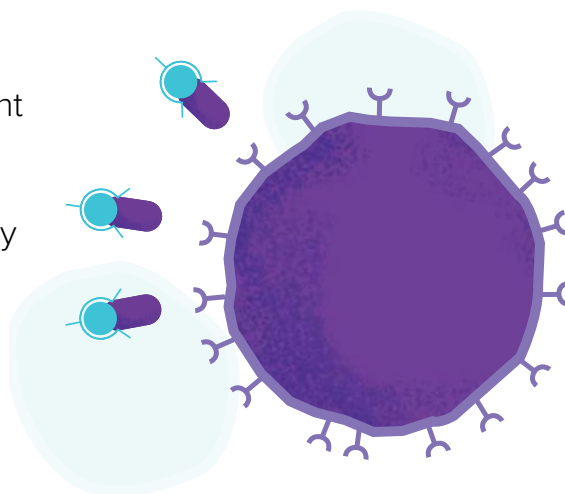
# Radioligand therapy?

Radioligand therapy is an innovative type of cancer therapy that can offer life-enhancing treatment by delivering therapeutic radiation to cancer cells in a targeted and precise way, wherever they are located in the body.

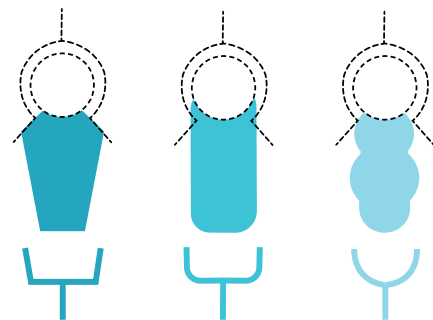
↘ **The radioactive particles** can be changed to treat different sizes of tumour or to be used for diagnosis rather than treatment...



↘ Radioligands deliver treatment to **specific types of cells**, meaning healthy cells go largely unaffected.<sup>1</sup>



↘ **A radioligand is made of two parts:** a therapeutic radioactive particle and a cancer-targeting molecule or 'ligand'.



...while **changing the ligand** may allow the therapy to treat different forms of cancer or even other diseases.<sup>1-4</sup>

This targeted therapy can be used in cancers that have become resistant or unresponsive to other forms of treatment.

1. Jadvar H. 2017. *AJR Am J Roentgenol* 209(2): 277-88  
2. Haberkorn U et al. 2016. *Clin Cancer Res* 22(1): 9-15  
3. Fahey F et al. 2014. *J Nucl Med* 55(2): 337-48  
4. Werner RA et al. 2018. *Theranostics* 8(22): 6088-100

This is a summary of *Radioligand therapy: realising the potential of targeted cancer care*, a policy report written by The Health Policy Partnership with input from a multi-stakeholder steering committee. It was supported by a grant from Advanced Accelerator Applications, a Novartis company, with additional support from Curium. To learn more please visit [www.radioligandtherapy.com](http://www.radioligandtherapy.com)