



from **innovations** to **health**



65^e ÉDITION
JOURNÉES
DE L'INNOVATION
EN BIOLOGIE

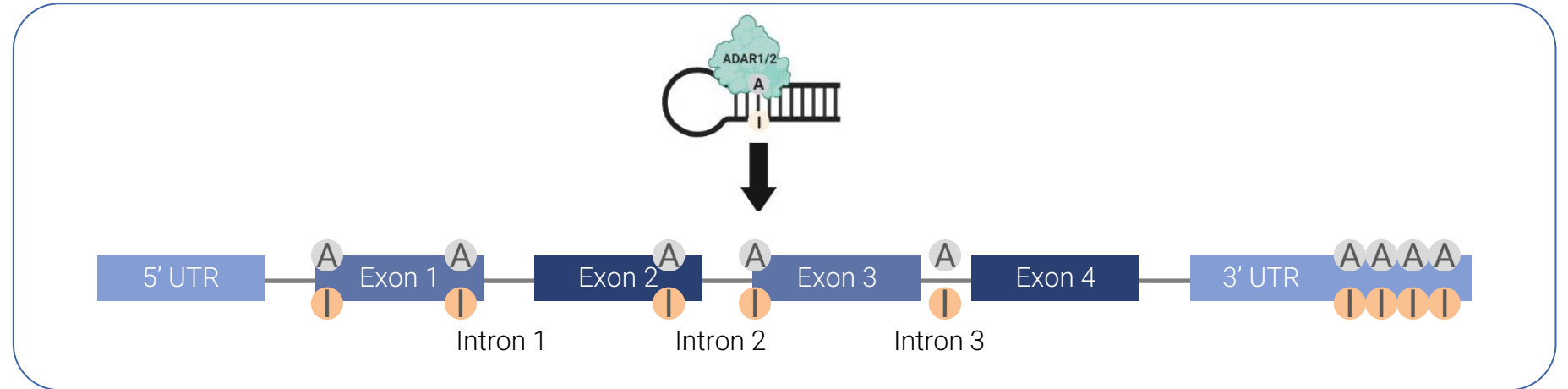
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RNA blood tests for psychiatry

December 2022



RNA editing, a key mechanism linked with inflammation and with critical cascading consequences



■ A-to-I RNA editing is:

- An **epigenetic** (i.e. **dynamic**) mechanism
- An **early on, epitranscriptomic A-to-I modifications** on RNA specific sites
- Regulated by **ADARs** enzymes (adenosine deaminase acting on dsRNA)
- Whose upstream slight modifications can lead to **important consequences**

RNA editing impacts key mechanisms:

Gene expression
Protein synthesis
miRNA regulation
Splicing, etc.



CNS



Oncology



Inflammation



Cardiometabolic.



First-in-class, clinically validated blood test for the differential diagnosis of bipolar disorder and major depression



Nov 22

Clinical validation

	Performance	
<p>Single center</p> <p>255 subjects</p>	<p>Sensitivity 91.2 %</p> <p>Specificity 84.6 %</p> <p>Accuracy 87.7 %</p>	<p>Multicentric</p> <p>94 subjects</p>
	<p>Sensitivity 85.7 %</p> <p>Specificity 81.8 %</p> <p>Accuracy 83.0 %</p>	

Salvetat et al, Transl Psy 2022

EDIT-B is IVD **CE** marked



Commercialization started in Europe:

We are looking for new lab partners!

Harness the unexplored power of
RNA editing & AI with **ALCEDIAG**,
the pioneer in mental health diagnostics

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