

## Recrutement prévu dans le cadre du contrat recherche GARP

<b>Job title</b>	<b>Postdoc in probability theory with applications to evolutionary biology</b>
<b>Ref</b>	offreEmploi_2025.03_IGR ANR GARP
<b>Job type (PhD, Post-doc, Engineer)</b>	<b>Postdoc</b>
<b>Contract duration (months)</b>	24
<b>Salary</b>	Will depend on previous experience, but should be at least 2550€ gross per month.
<b>Qualifications (Master degree, PhD...)</b>	PhD in probability theory
<b>Job hours (full time/ part time)</b>	full time
<b>Employer</b>	UBFC – Université Bourgogne Franche-Comté
<b>Host Laboratory</b>	LmB – Laboratoire de mathématiques de Besançon (Mathematics laboratory in Besançon, France)
<b>URL Host Laboratory</b>	<a href="https://lmb.univ-fcomte.fr/">https://lmb.univ-fcomte.fr/</a>
<b>Address Host Laboratory</b>	16 route de Gray, 25000 Besançon, France
<b>Job description</b>	<p>We are recruiting a post-doctoral researcher with a PhD in probability and an interest in evolutionary biology. The postdoc is funded by the French Research Agency: ANR JCJC project GARP (Graphes Aléatoires pour les Réseaux Phylogénétiques – Random Graphs for Phylogenetic Networks).</p> <p><b>Potential research directions:</b></p> <ul style="list-style-type: none"> <li>• Phylogenetic networks.</li> <li>• Branching processes with interaction.</li> <li>• Random graphs, scaling limits and local limits.</li> </ul> <p>See also <a href="https://probabio-lmb.pages.math.cnrs.fr">https://probabio-lmb.pages.math.cnrs.fr</a></p>
<b>Supervisor(s)</b>	<p>DUCHAMPS Jean-Jil (<a href="https://duchamps.perso.math.cnrs.fr/">https://duchamps.perso.math.cnrs.fr/</a>)</p> <p>BIENVENU François (<a href="http://www.normalesup.org/~bienvenu/">http://www.normalesup.org/~bienvenu/</a>)</p>
<b>Candidate profile</b>	<p>The candidate should have a PhD in probability and an interest in evolutionary biology. The research fields of interest are:</p> <ul style="list-style-type: none"> <li>• branching processes</li> <li>• geometry of random graphs</li> </ul>

<b>Keywords</b>	phylogenetic networks; branching processes; random graphs; scaling limit; local limit.
<b>Application deadline</b>	Soft deadline: 31 January 2025 – later applications will be examined as they come until the position is definitively filled.
<b>Starting Job</b>	To be discussed with the candidate. The contract could possibly start as early as March 2025.
<b>Application</b> <i>Depending on the type of position</i>	<p>Please send the following documents by e-mail to Jean-Jil DUCHAMPS and Francois BIENVENU, using "firstname.lastname@univ-fcomte.fr":</p> <ul style="list-style-type: none"> <li>• a scientific curriculum vitae including a list of publications;</li> <li>• a motivation letter including a list of two people who may be contacted for reference letters.</li> </ul>