Inserm

Offre d'emploi

Chercheur post-doctorant

Profil de poste	
Emploi-type	Post-Doctoral Fellow
BAP	A
Missions	Obesity and aging induce cardiac remodeling like myocardial interstitial fibrosis (MIF) conducing to decreased myocardial contractility and relaxation. This evolves towards heart failure with preserved ejection fraction, an entity without efficient therapy and with poor prognosis. Based on robust preliminary results, we propose to investigate: i) the role of matricellular protein in the crosstalk between adipose tissue & heart by studying the mechanisms of matricellular protein-induced MIF to identify biomarkers monitoring the pharmacodynamics of inhibitors targeting matricellular proteins; ii) the development of such inhibitors and dissect the mechanisms by which they inhibit matricellular protein effect on abrogating VAT senescence, attenuating VAT inflammation, decreasing MIF and thus preventing cardiac alterations in obesity/age conditions.
Activités principales	The candidate will develop a coherent translational research program in the cardiometabolic field. Within team "Senescence, metabolism and cardiovascular diseases", of the Mondor Institute for Biomedical Research (U955) led by Pr. Geneviève Derumeaux, he/she will have to: • - decipher the cellular targets of this matricellular protein-induced adipose tissue remodeling • - refine the role of matricellular proteins in the crosstalk between adipose tissue & heart; • - target matricellular proteins to prevent cardiometabolic disorders The candidate will also have to make the link between his/her fundamental research activities and the research carried out in the host team. The candidate will thus stimulate the development of new approaches in translational research with a focus on enriching his/her work through clinical research activities (implementation and use of primary cultures from human tissues - adipocyte, myocardium, blood derivatives derived from surgery).
Activités associées	• Cardiometabolic phenotyping of animal models • Primary cell culture (expertise in cardiac fibroblast and cardiomyocyte culture)
Connaissances	• Primary cell culture • Animal experimentation (in-depth knowledge) • Animal species concerned (in-depth knowledge) • Health and safety regulations • English language: B1 (Common European Framework of Reference for Languages)
Savoir-faire	• Organization • Rigor • Autonomy • Knowing how to report on your activity (write scientific reports and articles, poster, communication, …)

	• Willing to apply to grant application • Knowing how to work in an international team
Aptitudes	• Autonomy in fibroblast cell culture •
Spécificité(s) / Contrainte(s) du poste	
Expérience souhaitée	• First post-doctoral position accepted
Diplôme(s) souhaité(s)	• PhD
Structure d'accueil	
Code unité	U955 – EQUIPE 08
Intitulé	Institut Mondor pour la Recherche Biomédicale
Responsable	Jorge BOCZKOWSKI
Composition	Faculté de Médecine
Adresse	8 Rue du Général Sarrail – 94010 Créteil
Délégation Régionale	DR 06 – INSERM
Contrat	
Type	CDD
Durée	24 MOIS
Rémunération	Upon experience and according to Inserm's salary scales
Date souhaitée de prise de fonctions	01/02/2021

Pour postuler

Adresser votre CV et lettre de motivation à :

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- E-mail : geneviève.derumeaux@inserm.fr & anne.pizard@inserm.fr