

## Coordinator of T-cell ATMP manufacturing

36 hours per week

### Job description

Adoptive therapy with T cells has shown clinical successes in advanced tumors. For these trials to become future proof, particularly in the field of solid tumors, there is a need for rational strategies to further enhance safety and anti-tumor efficacy. At Erasmus MC, we are currently performing a first-in-man phase I/II trial to demonstrate safety and efficacy of T-cells that are gene-engineered with an anti-MAGE-C2 (MC2) T-cell receptor (TCR) in advanced melanoma.

The T-cell-based ATMP (Advanced Medicinal Therapeutic Product) is administered to patients following pre-treatment with epigenetic drugs (no lympho-ablative chemotherapy) and is supported by low dose interleukin-2. Notably, the TCR T-cells are generated according to new Good Manufacturing Practices (GMP) protocol, and harbor a young phenotype. For more information, see <https://classic.clinicaltrials.gov/ct2/show/NCT04729543>.

Erasmus MC is finalizing an accelerated titration scheme (phase I) and anticipates to continue with a recommended phase 2 dose, to which end, researchers are scheduling a trans-national trial together with Charite, Berlin, and AP-HP, Paris, as part of an European initiative (EUCCAT: European Consortium for Cellular Cancer Therapies within the European University Hospital Alliance (EUHA)).

During this clinical trial, the candidate researcher will coordinate the production of the T-cell ATMP, and perform research into the introduction of new, larger scale manufacturing methodologies for T-cell-based ATMPs. The candidate will team up with experienced technicians, researchers and clinical oncologists at the department of Medical Oncology, as well as specialists at the ATMP facility of Erasmus MC. In addition, the candidate will write quality reports and regulatory documents as well as disseminate findings during meetings and conferences.

### Work environment

A healthy population and excellence in healthcare through research and education; this is what Erasmus MC stands for. Conducting groundbreaking work, pushing boundaries and leading the way. In research, education, and healthcare. Our mind set is practical, we have a high level of expertise, and we work hard towards improvement and renewal of today's healthcare and tomorrow's public health.

The Department of Medical Oncology has a long-standing tradition in clinical and translational cancer research. The research activities of our department are organized into 5 different divisions: Translational Cancer Genomics and Proteomics, Translational Pharmacology; Translational Onco-Immunology; Clinical Trials; and Palliative and Supportive Care.

Research at the laboratory of Tumor Immunology (Division of Translational Onco-Immunology) is involved in the following activities towards new or ongoing patient studies: develop and test T cell treatments; understand and intervene with cross-talk between tumor cells and micro-environment; and immune monitor T cell phenotype and function. See for details: <https://www.erasmusmc.nl/en/cancer-institute/research/researchers/debets-reno>

### Qualifications and skills

- You have obtained your PhD in the field of immunology, and preferably have hands-on experience with the production of T-cell ATMPs
- You are highly motivated to perform research, take initiatives, communicate easily and cooperate in a team of researchers
- You are able to coordinate research and write and present your research findings

Presenting a certificate of good conduct, valid proof of identity, and diplomas are required for this appointment.

### Terms of employment

We offer a temporary position. The gross monthly salary amounts to a maximum of € 4.354,- (scale 10.5), depending on your level of education and relevant experience and based on a full-time working week of 36 hours. The [terms of employment](#) are in accordance with the Collective Bargaining Agreement for University Medical Centers (CAO UMC).

### Information

For more information about this position, please see and follow instructions in:

<https://www.werkenbijerasmusmc.nl/en/vacancy/98121/postdoctoral-fellow-coordinator-t-cell-atmp-manufacturing-15.15.24.tddh>