

# Study of investigational livoseltamab in combination with other cancer treatments for patients with **relapsed or refractory multiple myeloma**



Primary Objective: evaluate the safety, tolerability, and anti-tumor activity of livoseltamab in combination with other cancer treatments



**PATIENTS WITH RELAPSED OR REFRACTORY (R/R) MM (N≈317)**

**OPEN LABEL INTERVENTION**

**Livoseltamab (IV)**



**Cohorts:**

| 1                         | 2                   | 3                    | 4                        | 5                    | 6                  | 7                 | 8                  | 9                    |
|---------------------------|---------------------|----------------------|--------------------------|----------------------|--------------------|-------------------|--------------------|----------------------|
| Daratumumab<br>(IV or SC) | Carfilzomib<br>(IV) | Lenalidomide<br>(PO) | Bortezomib<br>(IV or SC) | Pomalidomide<br>(PO) | Isatuximab<br>(IV) | Fianlimab<br>(IV) | Cemiplimab<br>(IV) | Nirogacestat<br>(PO) |

## Primary Endpoints

Safety, tolerability, and DLT

## Secondary Endpoints

Objective response rate<sup>a</sup>  
Duration of response<sup>a</sup>  
Progression-free survival<sup>a</sup>  
MRD-negative status<sup>a</sup>

Pharmacokinetics  
Immunogenicity  
Overall survival



### FIND OUT MORE

Scan here to find out more about this study at <https://clinicaltrials.gov/ct2/show/NCT05137054>

This information is intended for investigators interested in open clinical trials.

Livoseltamab ± fianlimab or cemiplimab are investigational agents and have not been evaluated by any regulatory authority.

Please see cemiplimab prescribing information in your country.

<sup>a</sup>According to IMWG response criteria.

DLT, dose-limiting toxicity; IMWG, International Myeloma Working Group; IV, intravenous; MM, multiple myeloma; MRD, minimal residual disease; N, number of patients; PO, by mouth; Q2W, administered every 2 weeks; Q3W, administered every 3 weeks; SC, subcutaneous.

# LINVOSELTAMAB

## An Investigational BCMAxCD3 Bispecific Antibody

Designed to simultaneously engage BCMA on MM cells with CD3 on T cells<sup>1</sup>

### SELECTED INCLUSION CRITERIA<sup>a,b</sup>



ECOG PS 0 or 1



Measurable disease as defined in the protocol according to IMWG consensus criteria



Adequate creatinine clearance, hematologic function, and hepatic function



Life expectancy  $\geq 6$  months



Progression after treatment with at least 3 lines of therapy, or at least 2 lines of therapy and either prior exposure to at least 1 anti-CD38 antibody, 1 IMiD and 1 PI, or double-refractory to 1 PI and 1 IMiD, or the combination of 1 PI and 1 IMiD<sup>b</sup>

### SELECTED EXCLUSION CRITERIA<sup>a,b</sup>



Diagnosis of plasma cell leukemia, primary light-chain amyloidosis, Waldenström macroglobulinemia, or POEMS syndrome



Known MM brain lesions or meningeal involvement



Treatment with any systemic anti-myeloma therapy within 5 half-lives or within 21 days prior to first administration of study drug



History of allogeneic stem cell transplantation, or autologous stem cell transplantation within 12 weeks of the start of study treatment



Prior treatment with BCMA-directed immunotherapies excluding antibody-drug conjugates



History of PML, neurodegenerative condition, CNS movement disorder, or seizures<sup>c</sup>



Live or attenuated vaccination within 28 days prior to first study drug regimen administration with a vector that has replicative potential



Cardiac ejection fraction  $< 40\%$



For more information, visit [www.clinicaltrials.gov](https://www.clinicaltrials.gov) or please call [+353 (0)61 533 400 or 844 REGN-MID].  
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<sup>a</sup>Inclusion/exclusion criteria include a summary of selected criteria. Please review the full study design on [clinicaltrials.gov](https://www.clinicaltrials.gov) for complete details and cohort-specific criteria. <sup>b</sup>Protocol defines cohort-specific criteria. <sup>c</sup>Within 12-months prior to treatment with study drug.

BCMA, B-cell maturation antigen; CD, cluster of differentiation; CNS, central nervous system; ECOG PS, Eastern Cooperative Oncology Group performance status; IMiD, immunomodulatory drug; IMWG, International Myeloma Working Group; MM, multiple myeloma; PI, proteasome inhibitor; PML, progressive multifocal leukoencephalopathy; POEMS, polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, and skin changes.

Current per [clinicaltrials.gov](https://www.clinicaltrials.gov) as of January 24, 2024.

1. DiLillo DJ et al. *Blood Adv.* 2021;5(5):1291-04.

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