

- **RO:0002629/0002630 directly positively (or negatively) regulates**
  - **Occurrent**↔**Occurrent**
  - 最小条件：（必須）E1、
  - 直接連結できる箇所
- **RO:0002304/0002305 causally upstream of, positive (or negative) effect**
  - **Occurrent**↔**Occurrent**
  - 最小条件：E2（推奨）、E3（暫定）
  - 機序が未特定
- **RO:0004034/0004035 acts upstream of, positive (or negative) effect**
  - “material entity → process (pathological processを除く) (**Occurrent**)
  - 最小条件：E2（推奨）、E3（暫定）
  - IL-6 —acts upstream of, positive effect→ 急性期応答 (GO:0006953)
- **RO:0002599/0002600 capable of inhibiting or preventing (or upregulating or causing) pathological process**
  - “material entity → pathological process (**Occurrent**)
  - 最小条件：E2（推奨）、E3（暫定）
  - IL-6 —capable of upregulating or causing pathological process→ ハイパー炎症（病的プロセス）
- **RO:0003302/0003303 causes (or contributes to) condition**
  - entity (e.g. a genotype, genetic variation, chemical, or environmental exposure) and a condition (a phenotype or disease) (Continuant)
  - [[ro-causal サブセット](#)で定義]
  - 最小条件：E2（推奨）、E3（暫定）
- **RO:0002610 correlated with**
  - domainとrangeは、continuant, occurrentどっちでもいい（定義文）
    - [http://purl.obolibrary.org/obo/RO\\_0002610](http://purl.obolibrary.org/obo/RO_0002610), "A relationship that holds between two entities, where the entities exhibit a statistical dependence relationship. The entities may be statistical variables, or they may be other kinds of entities such as diseases, chemical entities or processes.",
  - 最小条件：E4のみ