

# Get Person Attributes Using R

Given a raw URI for a VIVO person RDF page, call `get.vivo.person` to get basic attributes regarding the person.

## Code

```
get.vivo.person<-function(raw.uri){
#
#   Given a raw.uri (without the rdf filetype) of a VIVO person page, return basic facts about the
#   the person. Dereference as needed. Missing attributes are returned as NA.
#
  uri <- make.vivo.uri(raw.uri)
  x <- xmlParse(uri)

  name.path <- paste("//rdf:Description[@rdf:about='",raw.uri,"']/rdfs:label",sep="",collapse="")
  xns<-getNodeSet(x,name.path)

  name <- xmlValue(xns[[1]])
  era.common.id <- get.vivo.attribute(x,"eraCommonsID","http://vivo.ufl.edu/ontology/vivo-ufl/")
  email <- get.vivo.attribute(x,"email")
  phone.number <- get.vivo.attribute(x,"phoneNumber")

  pubs <- length(getNodeSet(x,"//d:authorInAuthorship",c(d="http://vivoweb.org/ontology/core#")))
  grants <- length(getNodeSet(x,"//d:hasPrincipalInvestigatorRole",c(d="http://vivoweb.org/ontology/core#")))
#
#   deref first (!) personInPosition to get department name
#
  xns<-getNodeSet(x,"//d:personInPosition",c(d="http://vivoweb.org/ontology/core#"))
  pip.uri <- make.vivo.uri(xmlGetAttr(xns[[1]],"rdf:resource"))
  xpip<-xmlParse(pip.uri)

  xns<-getNodeSet(xpip,"//d:positionInOrganization",c(d="http://vivoweb.org/ontology/core#"))
  pio.uri <- make.vivo.uri(xmlGetAttr(xns[[1]],"rdf:resource"))
  xpio <- xmlParse(pio.uri)

  department <- get.vivo.name(xpio)

  list(name=name,pubs=pubs,grants=grants,department=department,
       era.common.id=era.common.id,email=email,phone.number=phone.number)
}
```

## Sample Run

```
> person.raw
[1] "http://vivo.ufl.edu/individual/n25562"
> get.vivo.person(person.raw)
$name
[1] "Conlon, Mike"

$pubs
[1] 77

$grants
[1] 1

$department
[1] "Health Outcomes and Policy"

$era.common.id
[1] "MCONLON"

$email
[1] "mconlon@ufl.edu"

$phone.number
[1] "3522738872"
```

## Notes

- pubs is a count of AuthorInAuthorship assertions on the person page
- grants is a count of hasPrincipalInvestigatorRole on the person page
- department name is doubly dereferenced from personInPosition and then positionInOrganization
- era.common.id is a UF extension